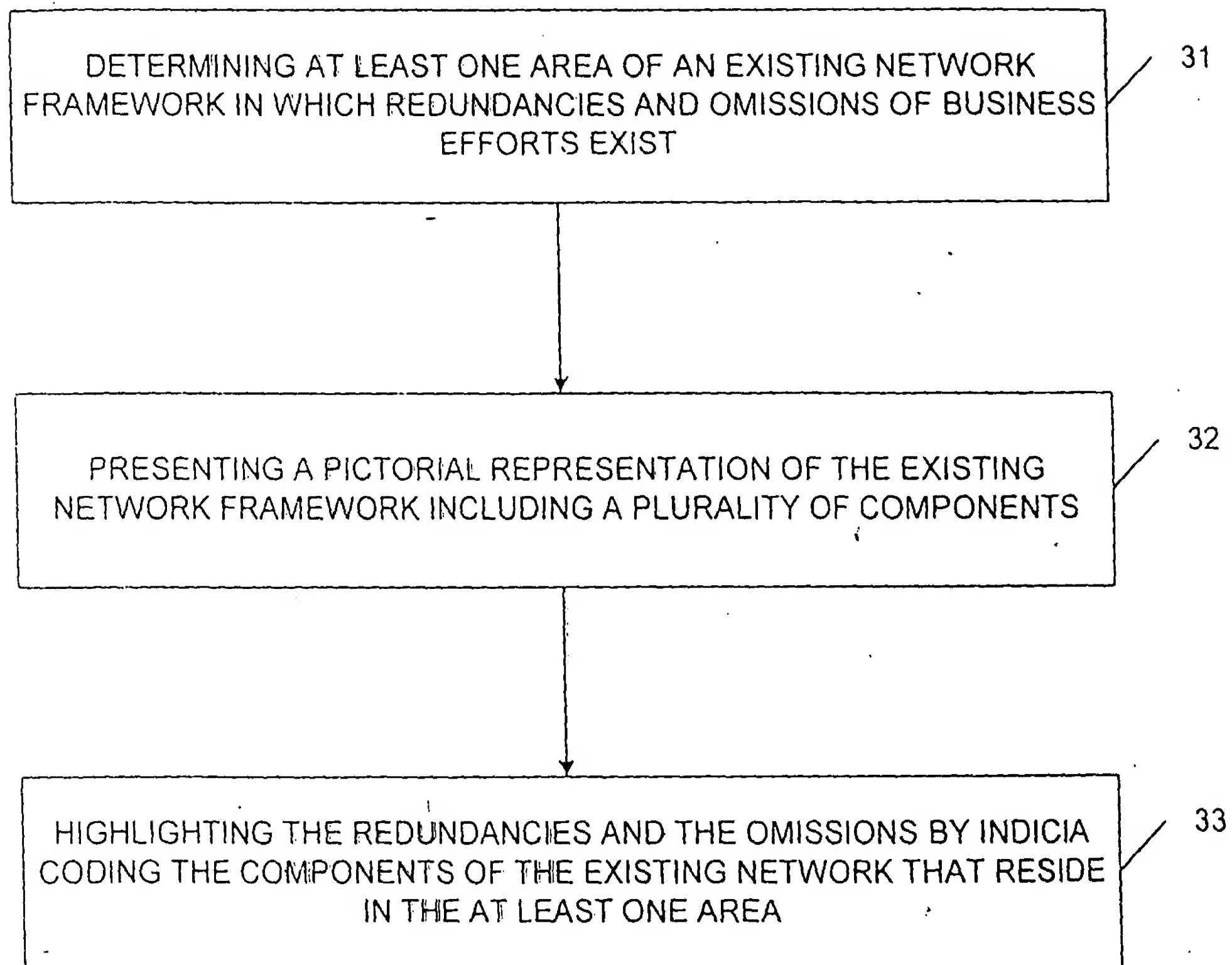
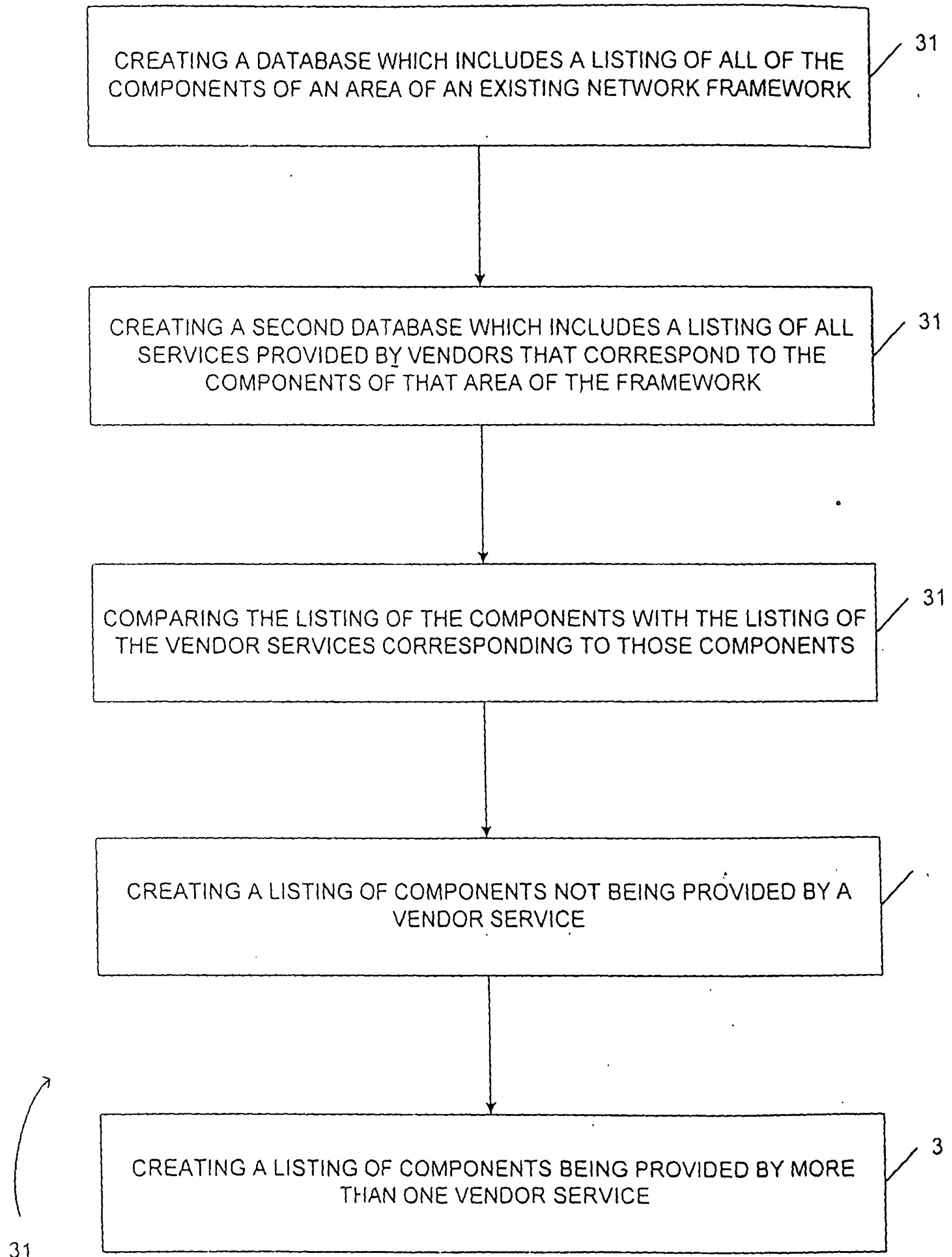


Figure 1A

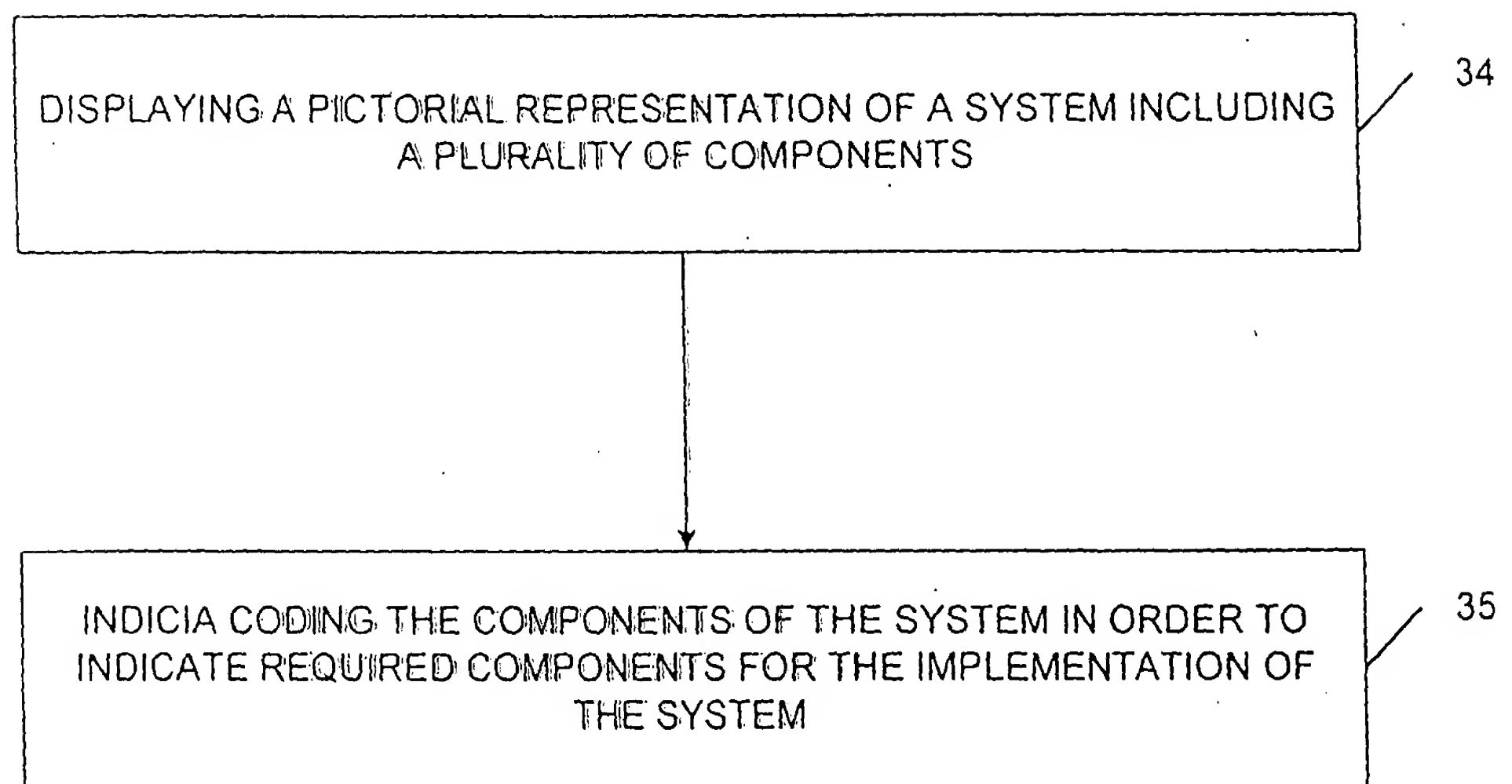


12

Figure 2



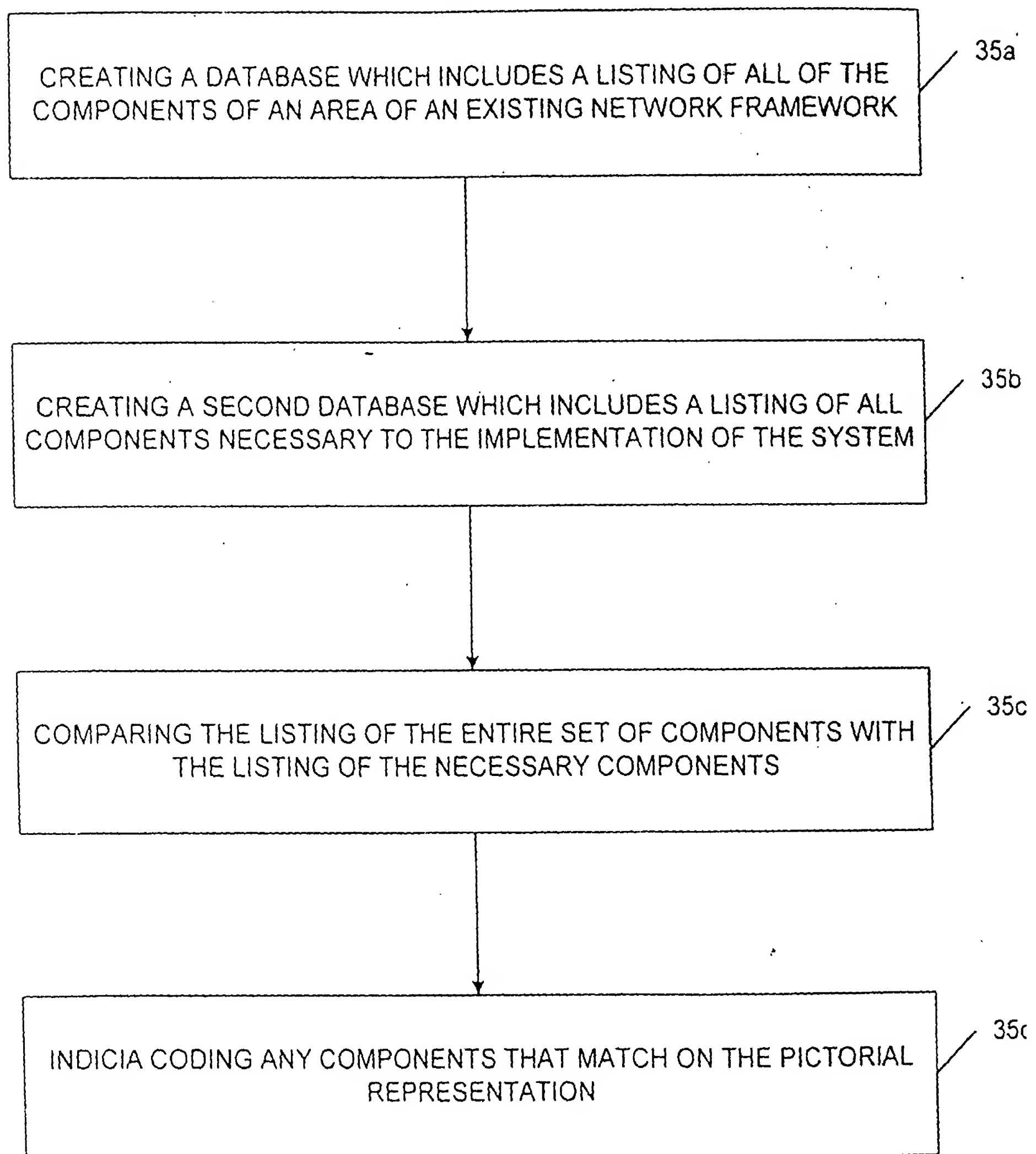
3
Figure 1B-1



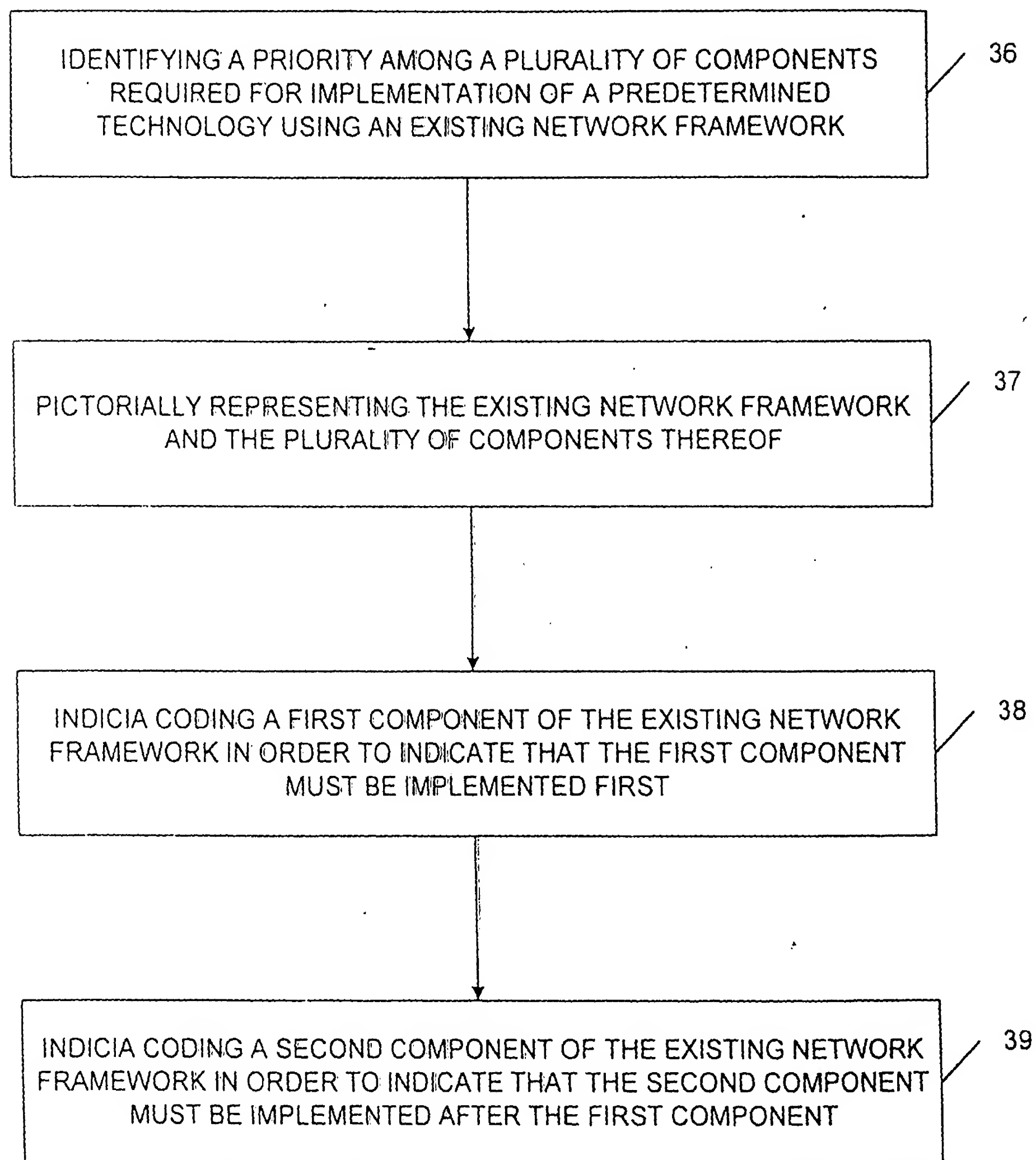
14

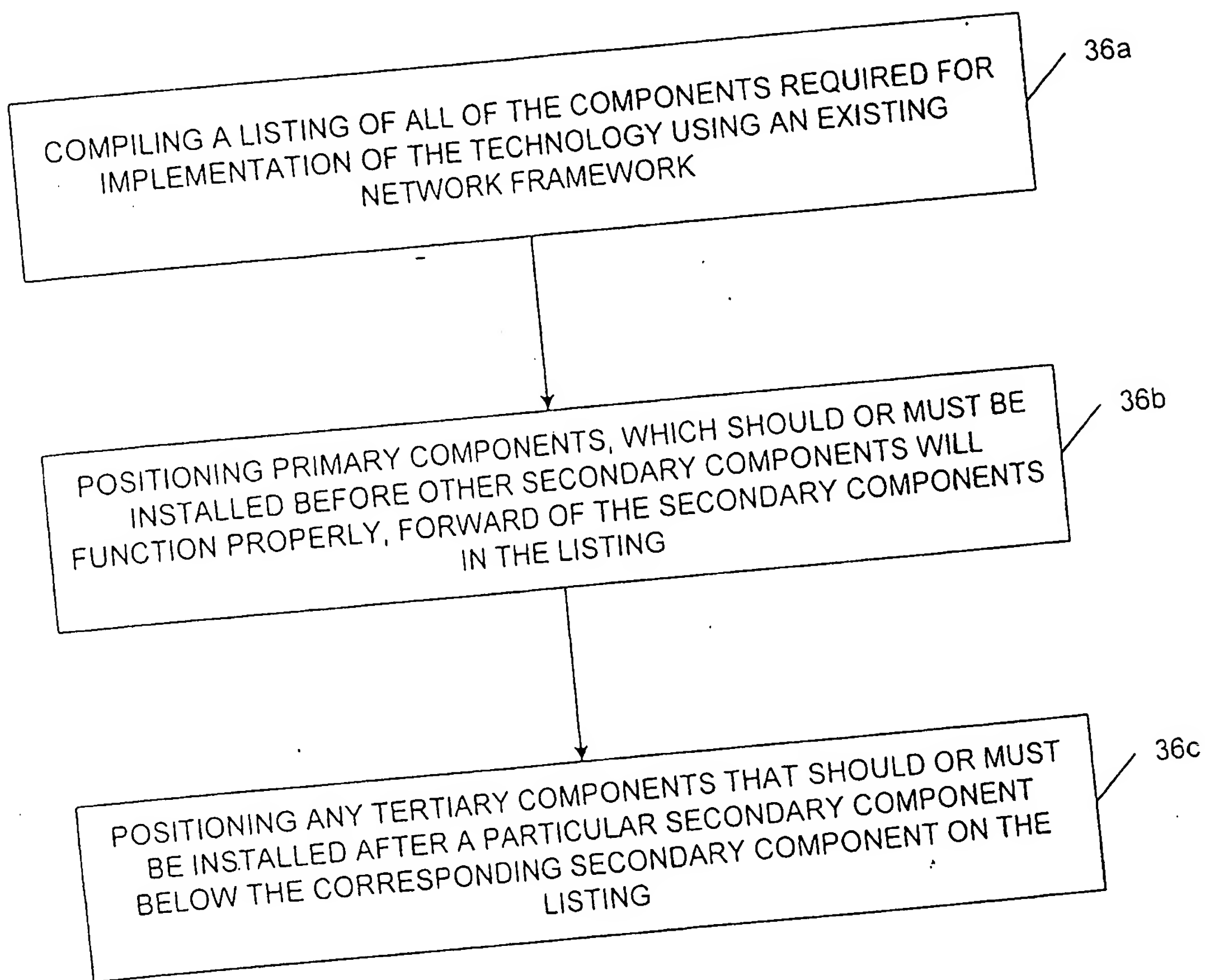
4

Figure 1C



35
Figure 5
1C-1





36

Figure 1D-1

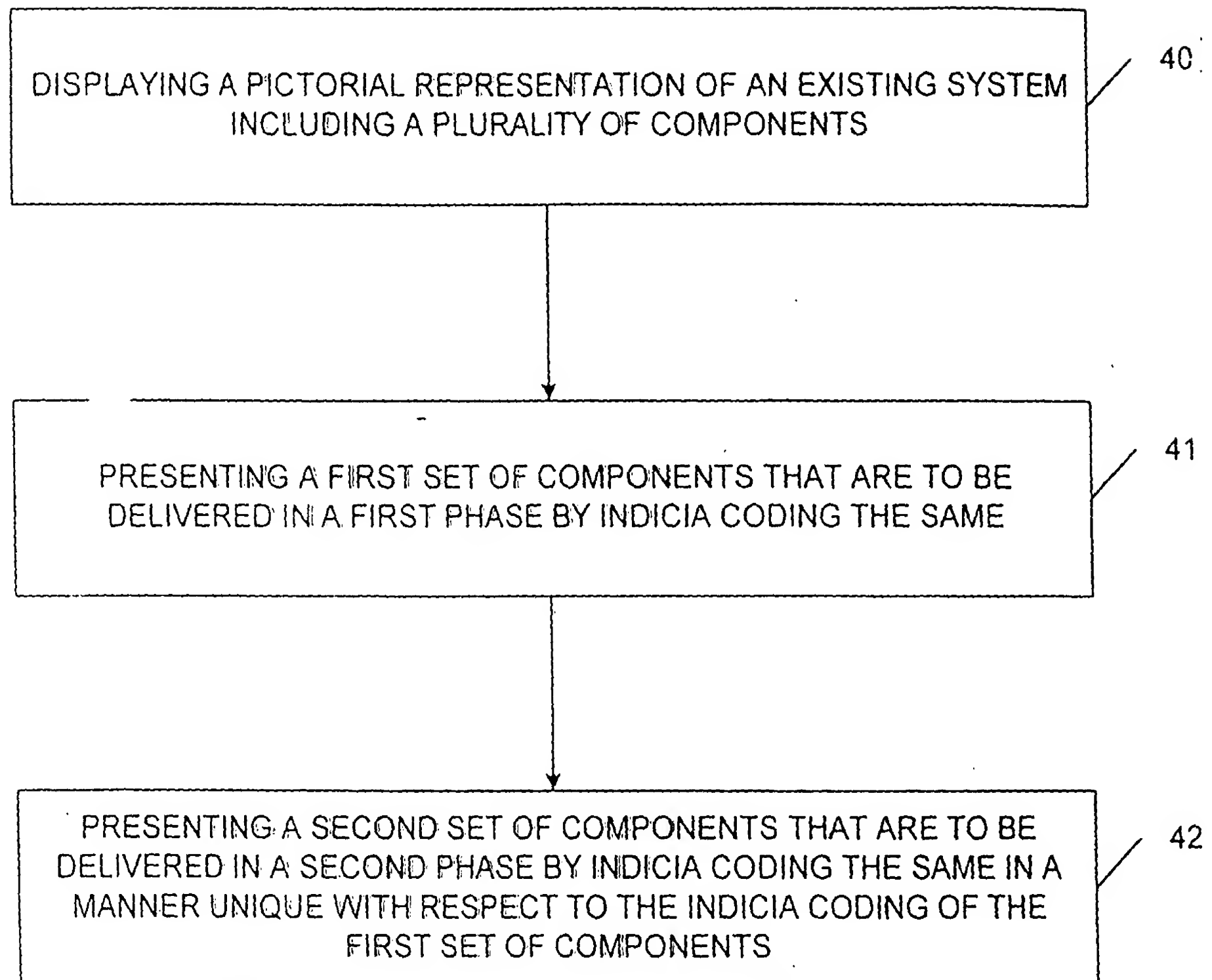
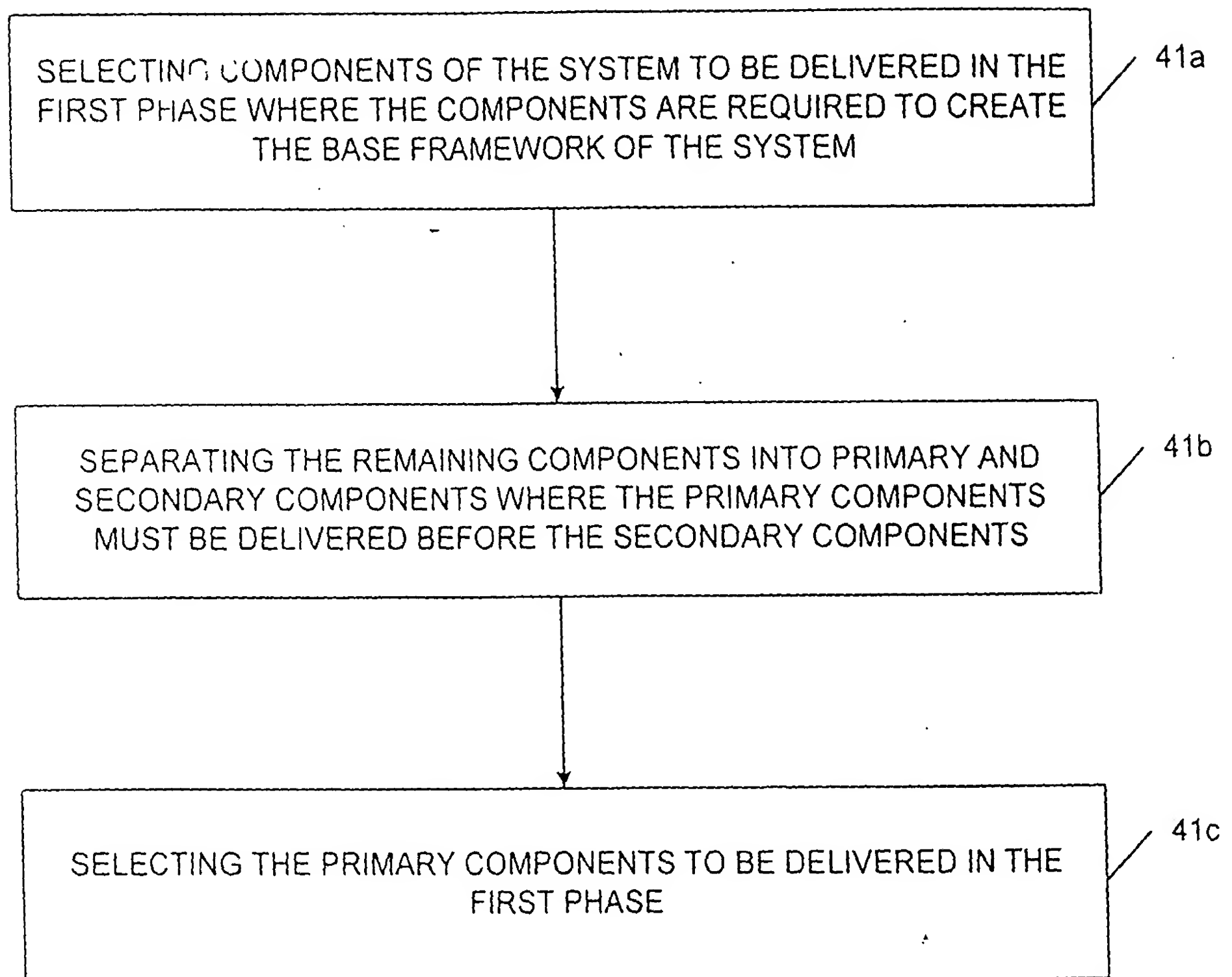
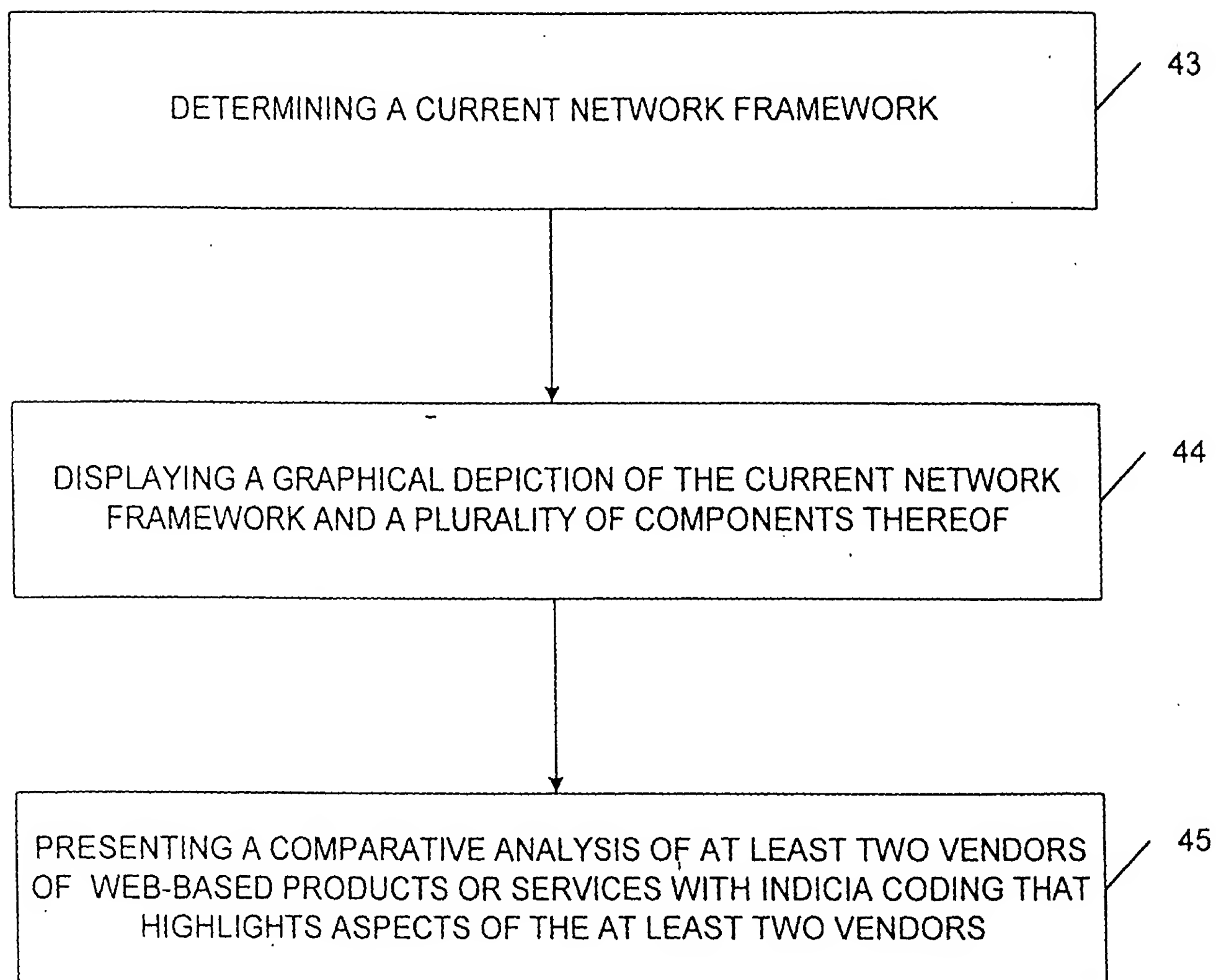


Figure 1E



41
Figure 9
1E-1



20
Figure 1F

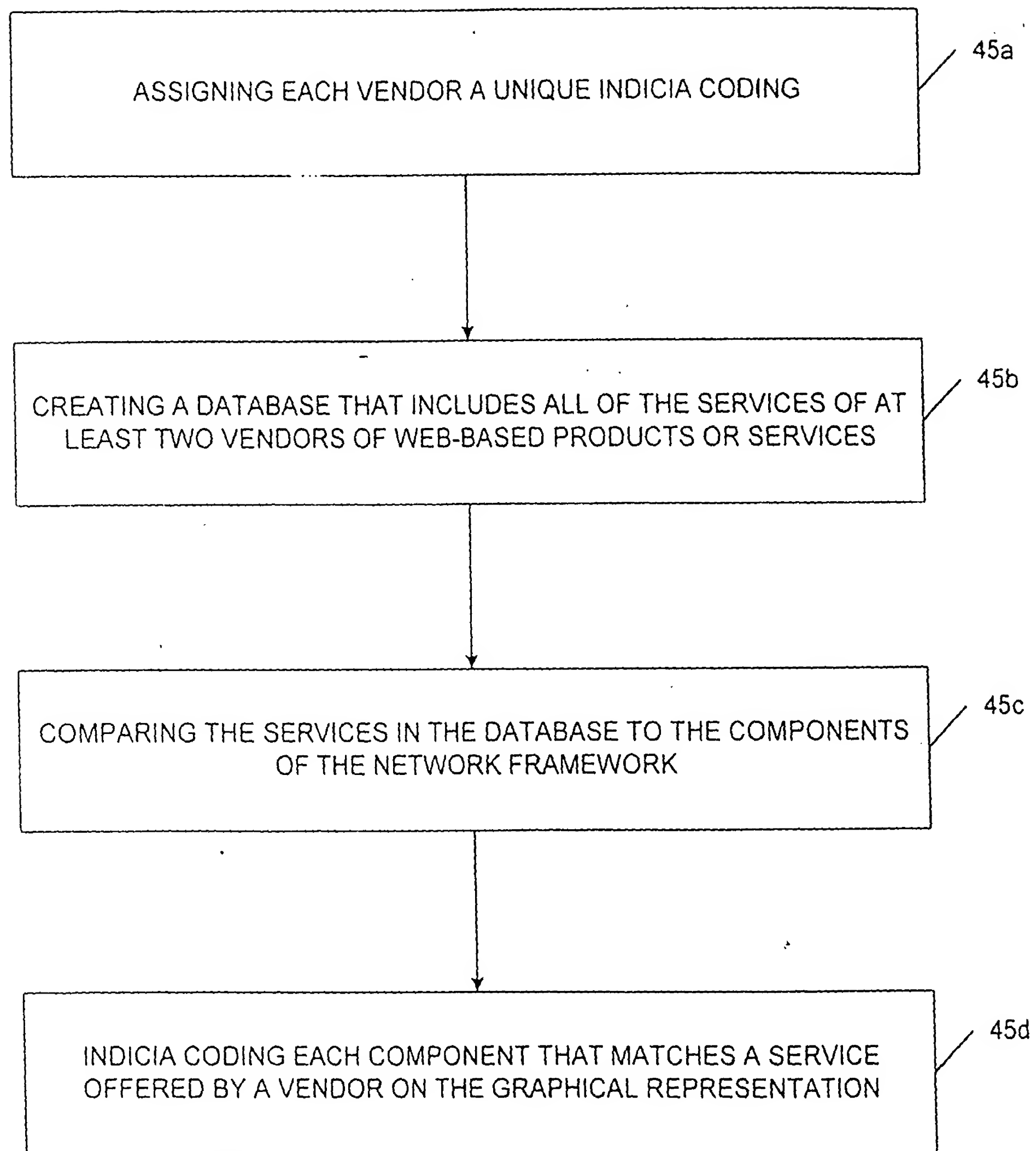
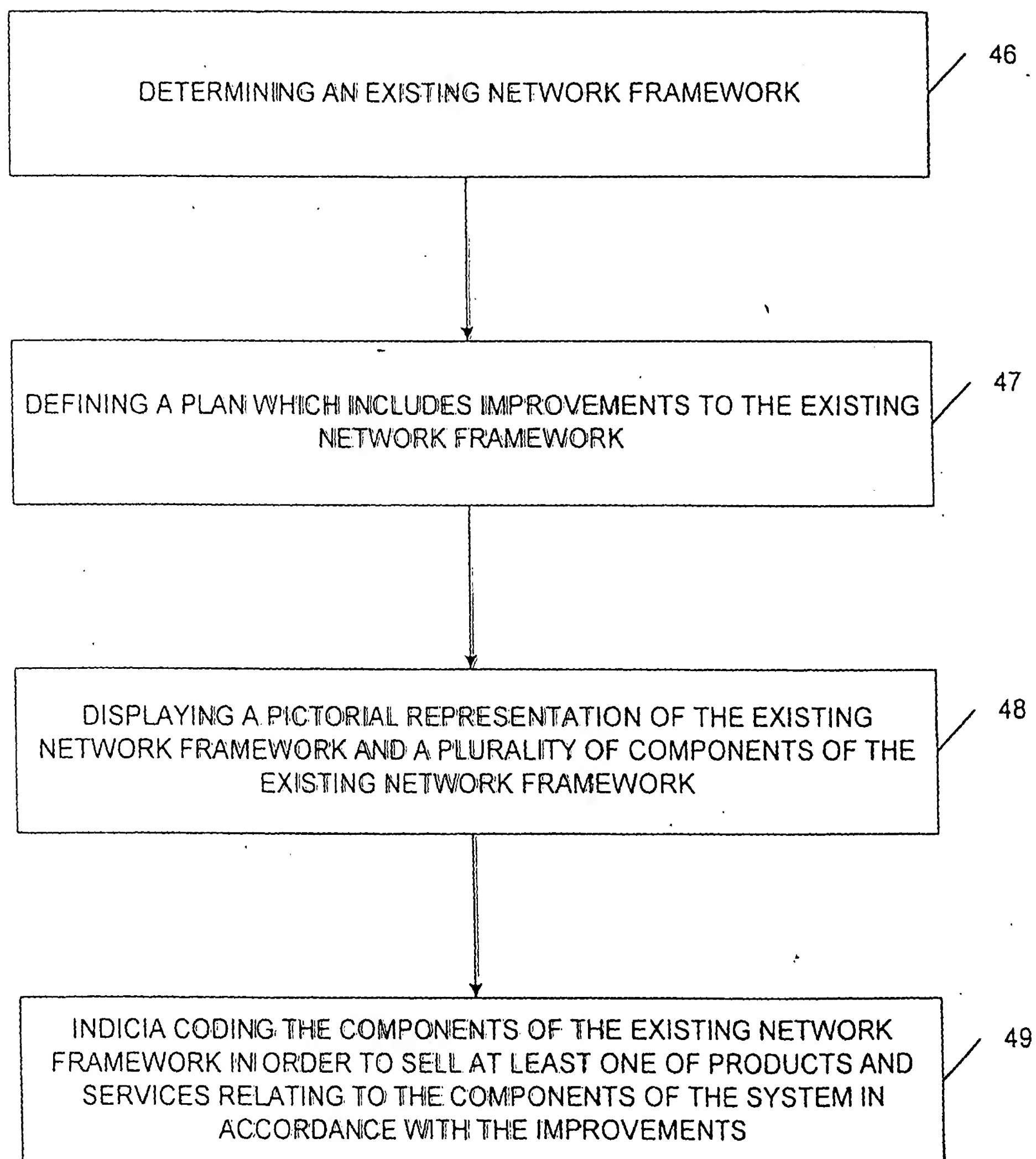
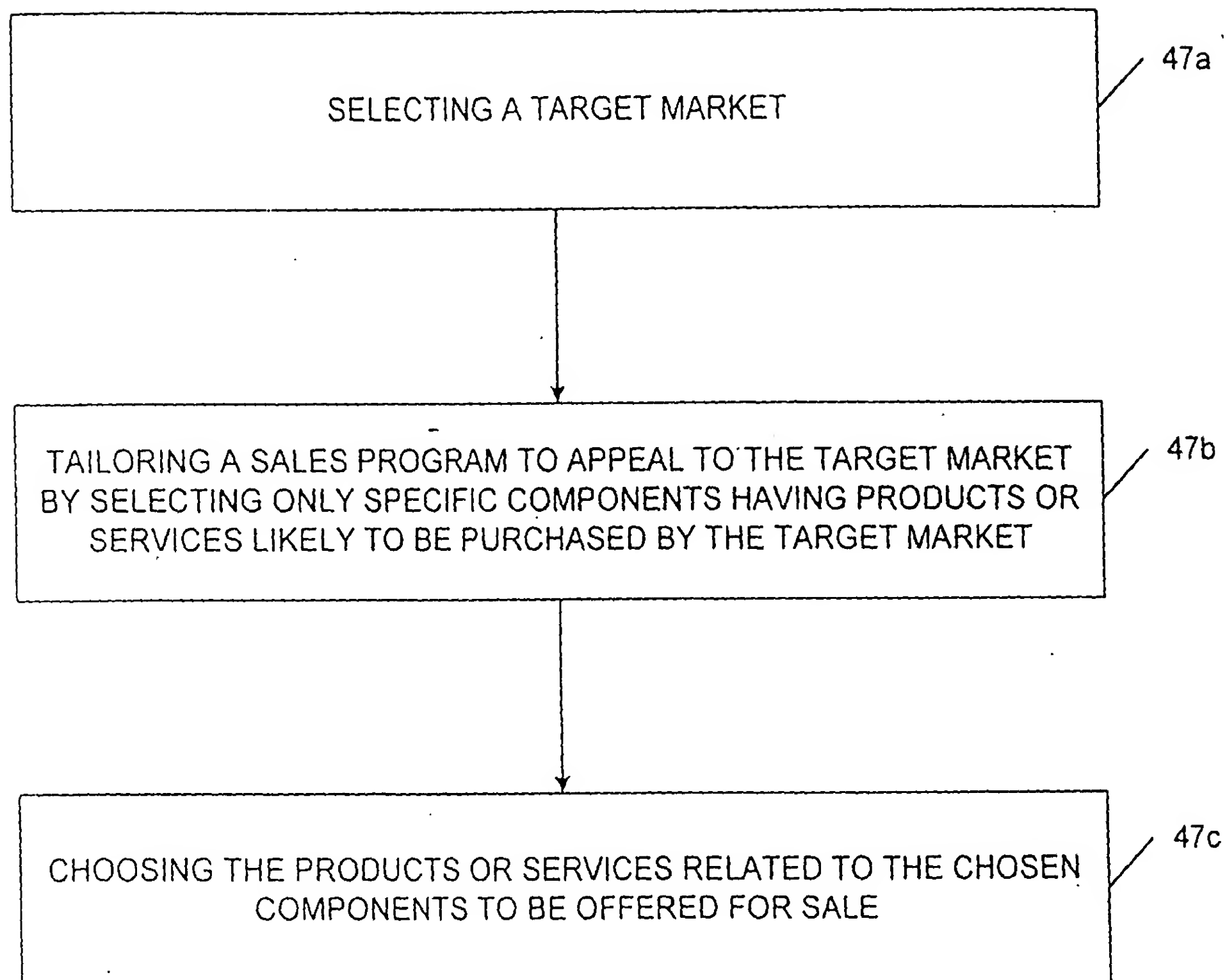


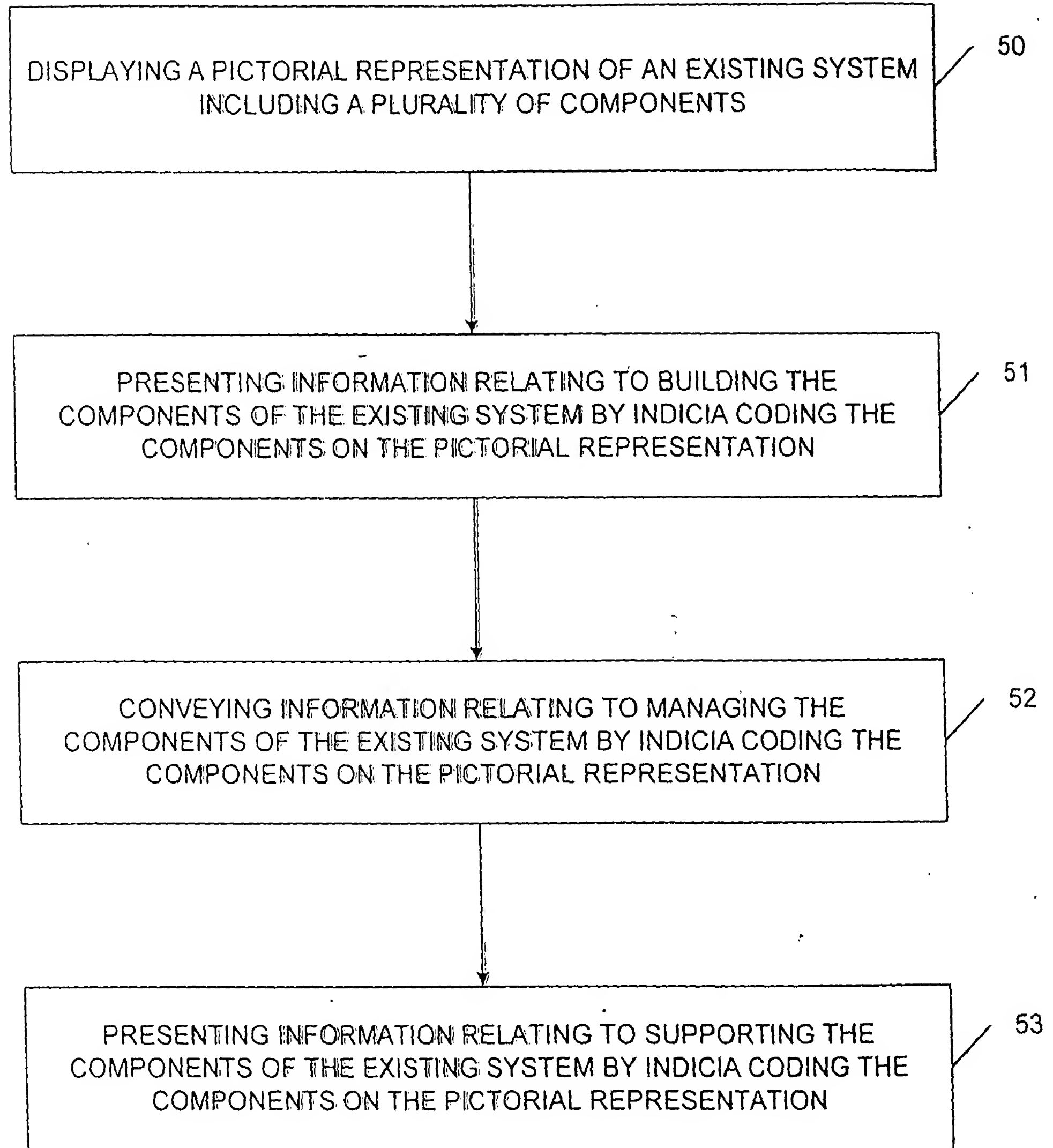
Figure 11





47

13
Figure 1G-1



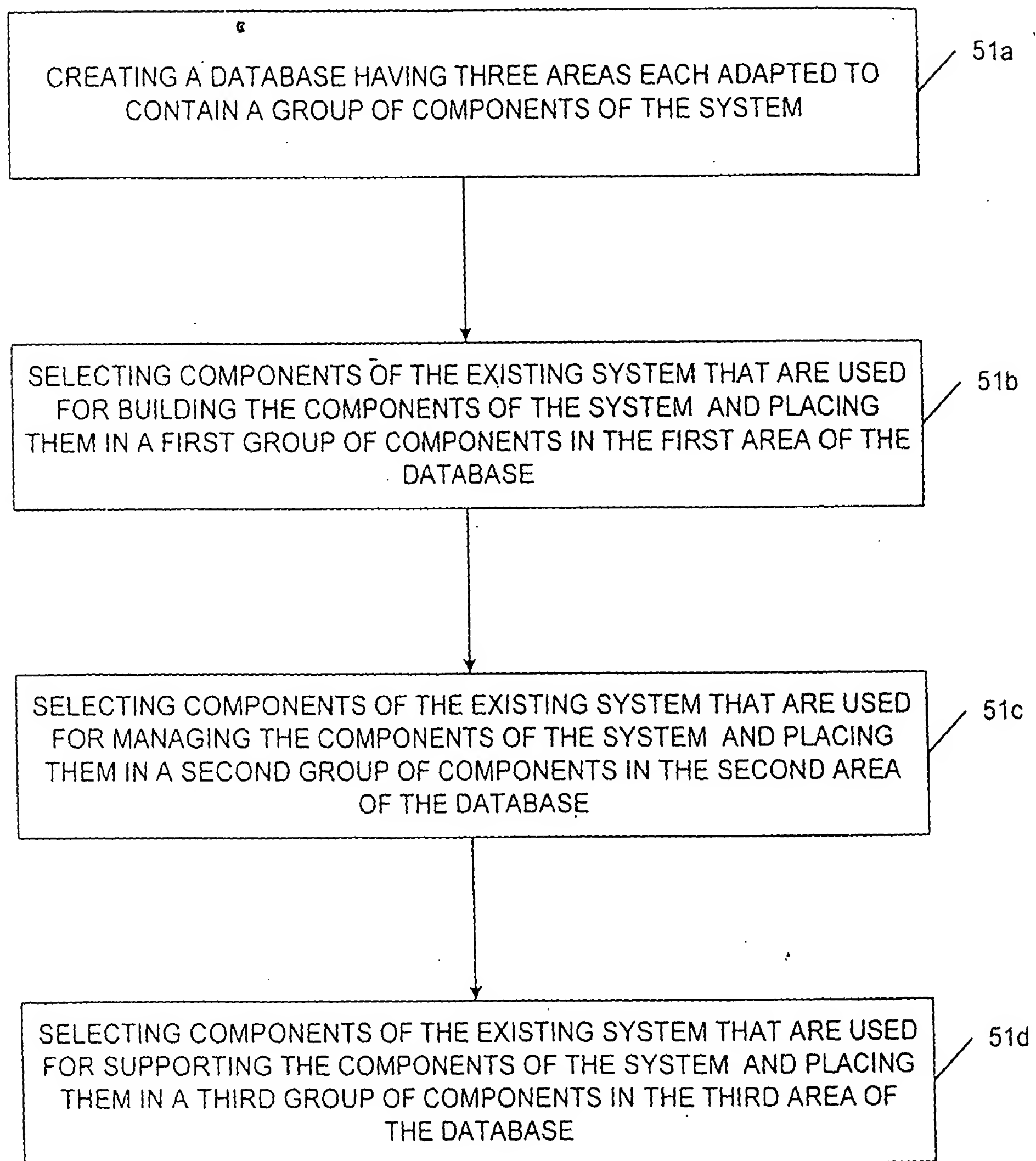
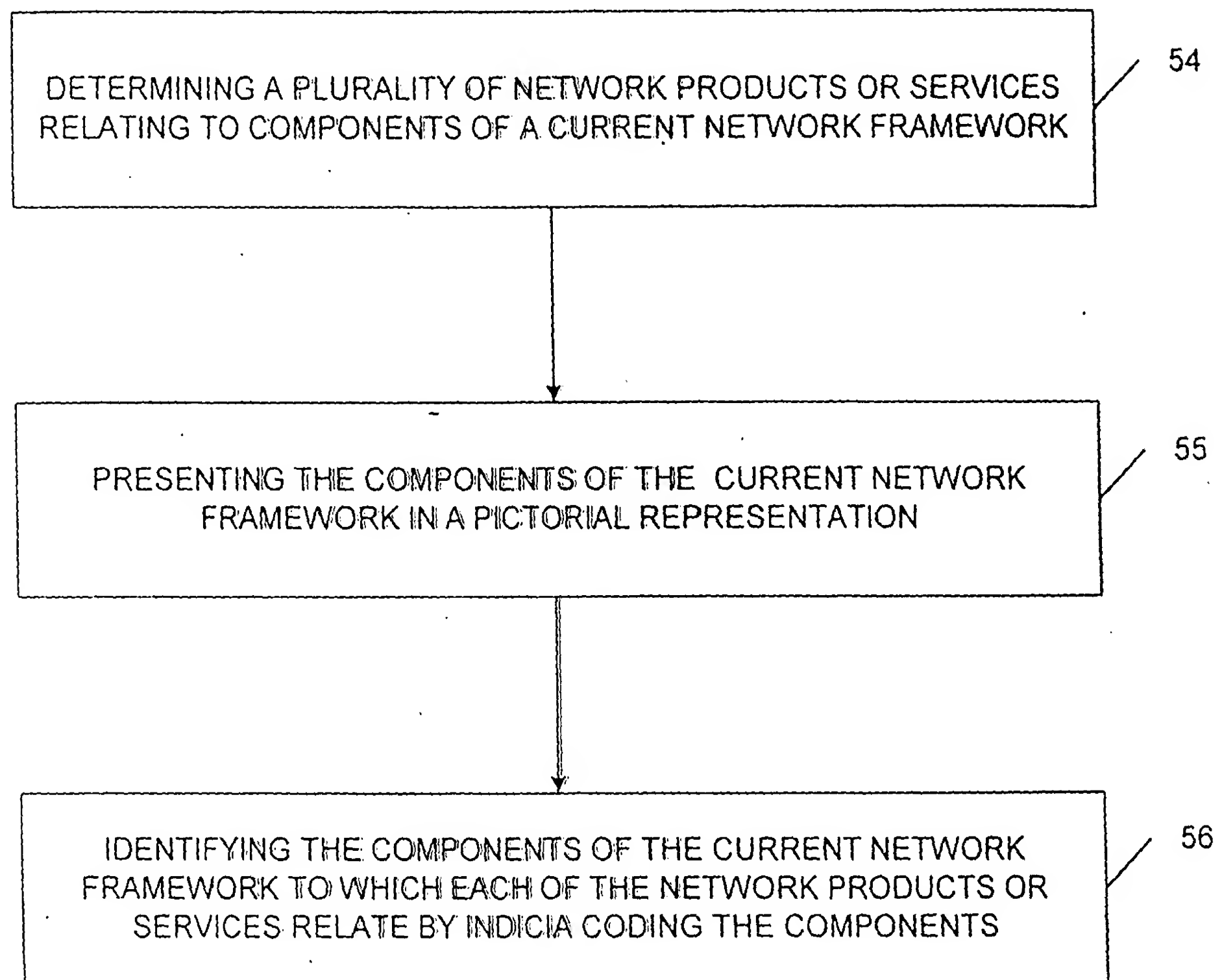


Figure 15
~~14-1~~



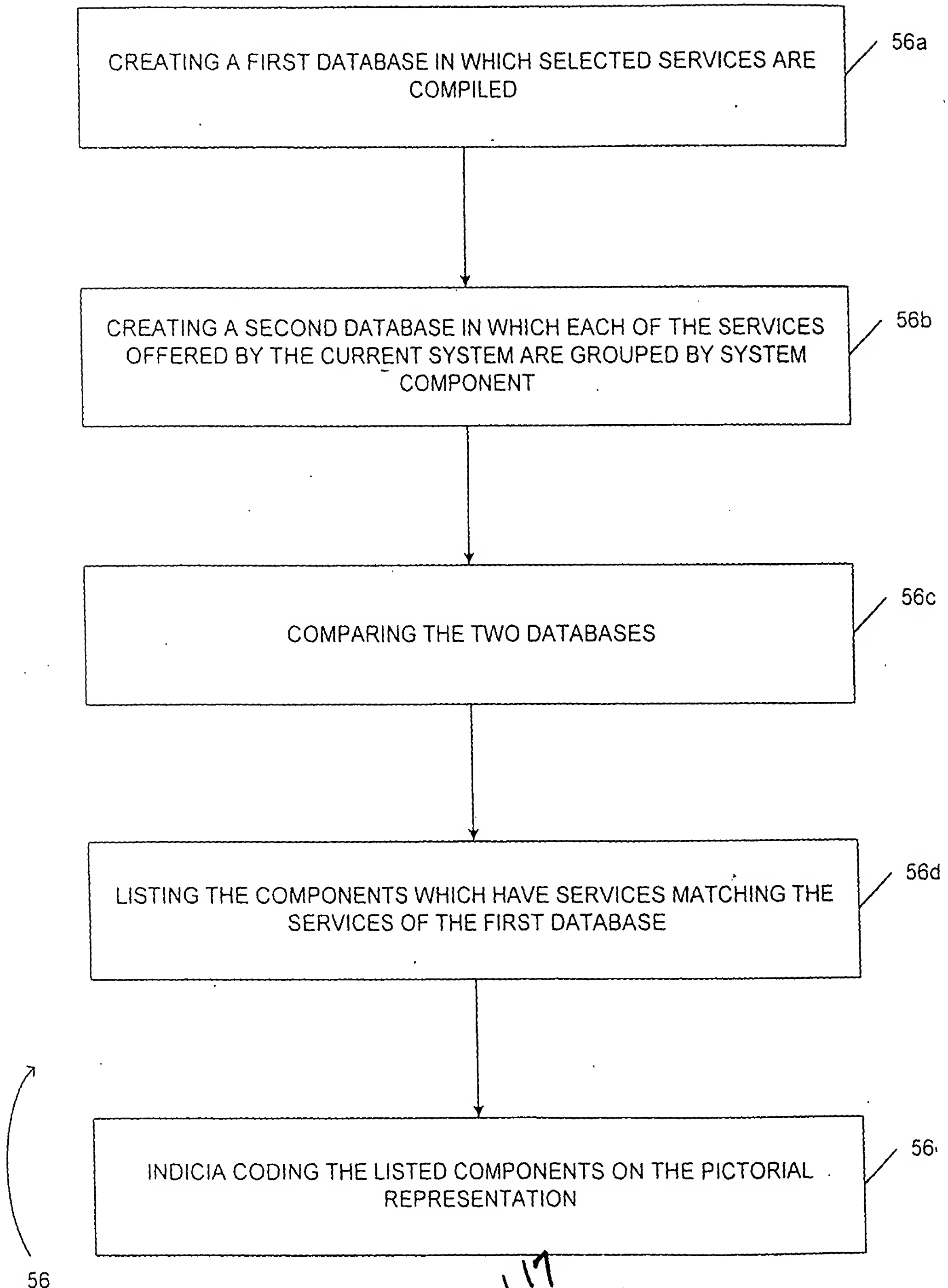
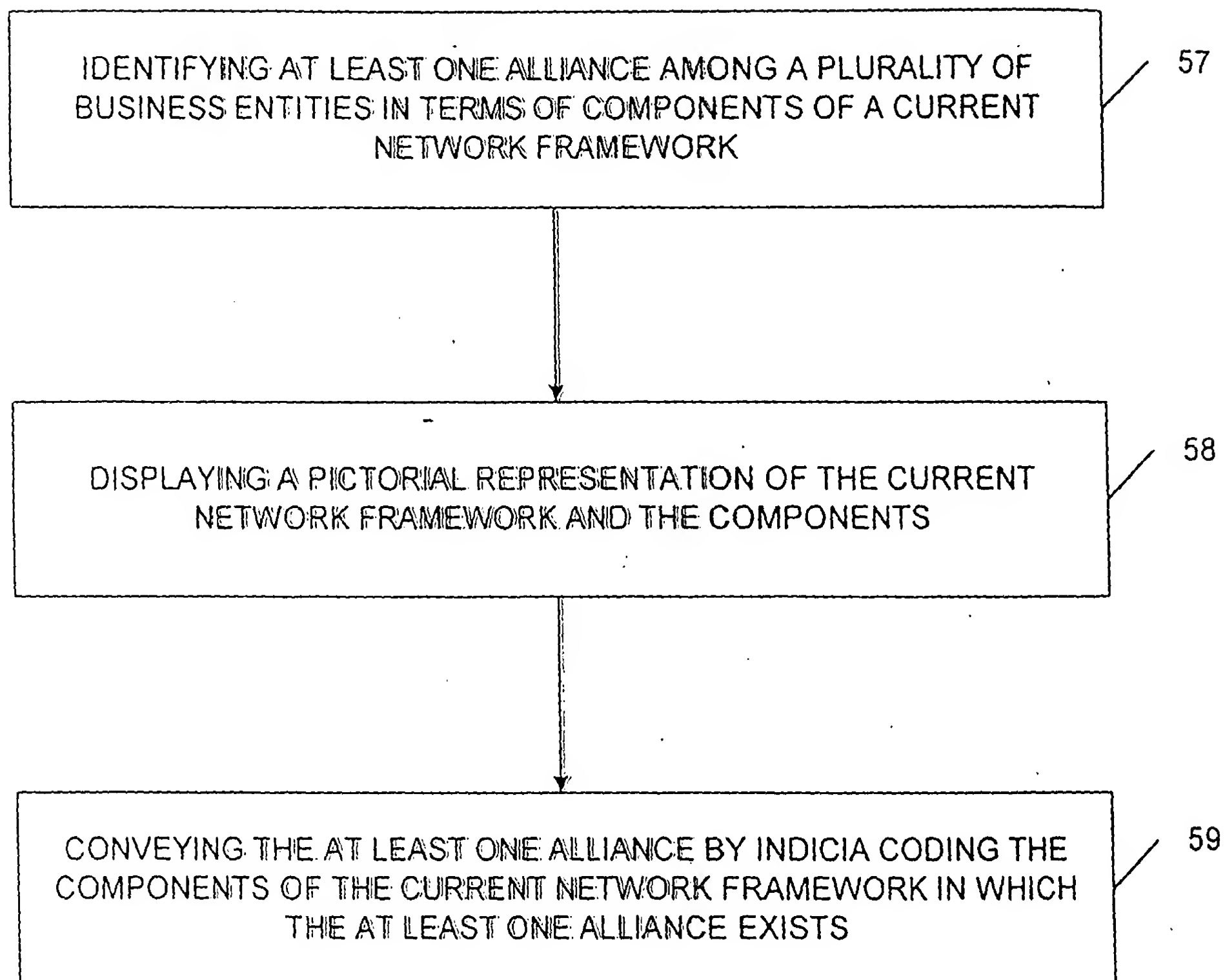
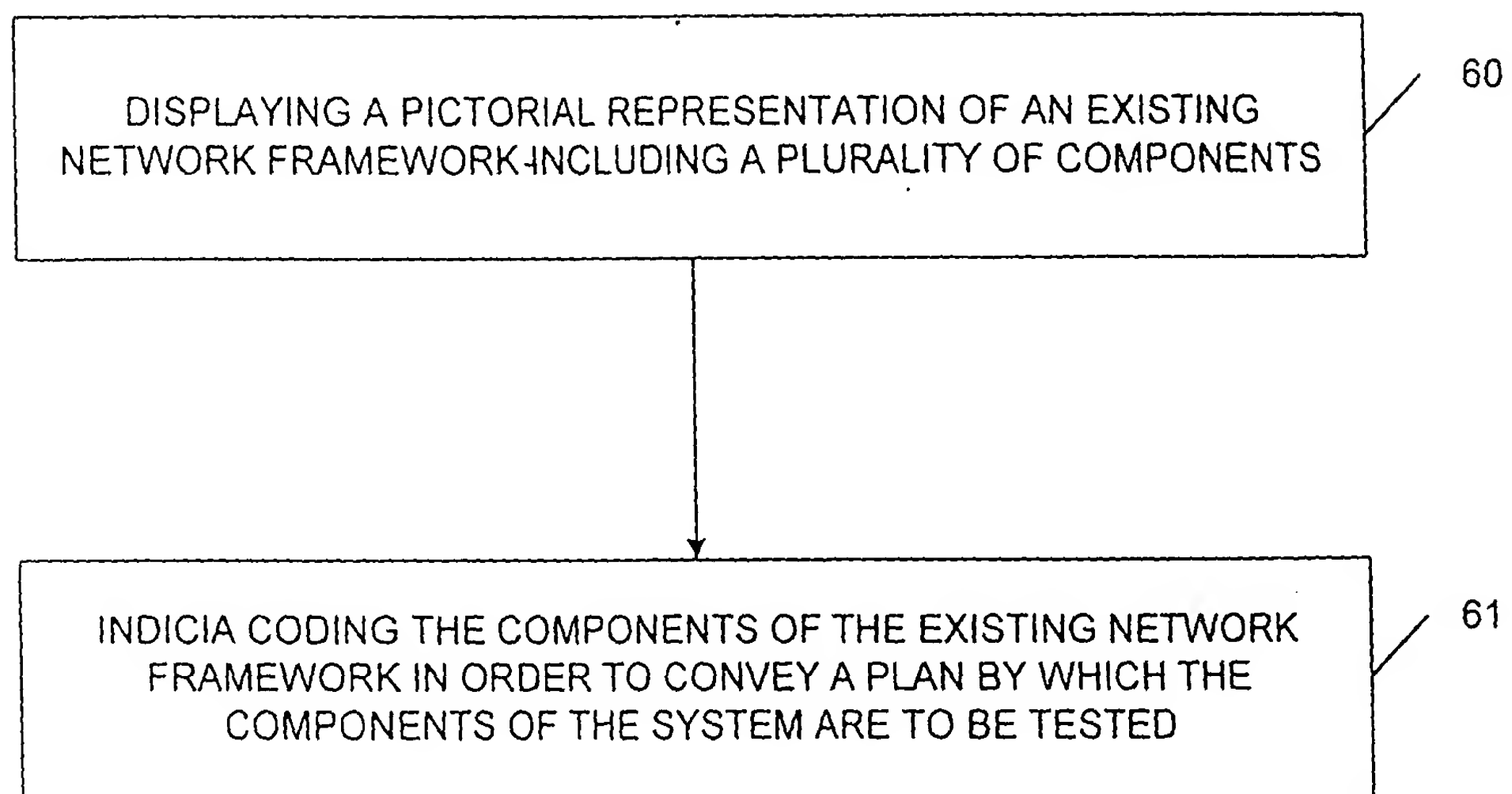


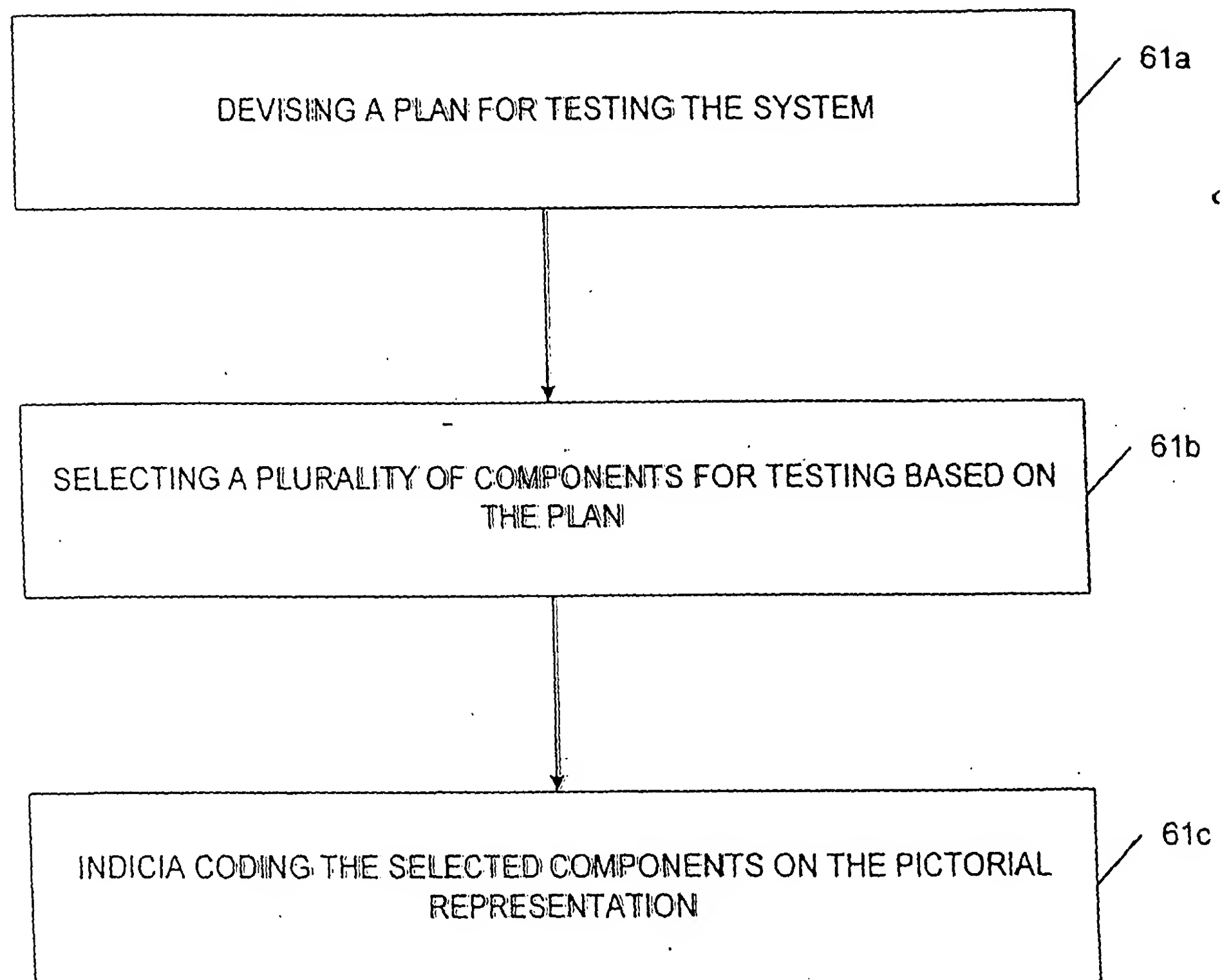
Figure 11-1





30

Figure ~~18~~ 19



61

20

Figure 1A

Web Architecture Framework - Base Chart

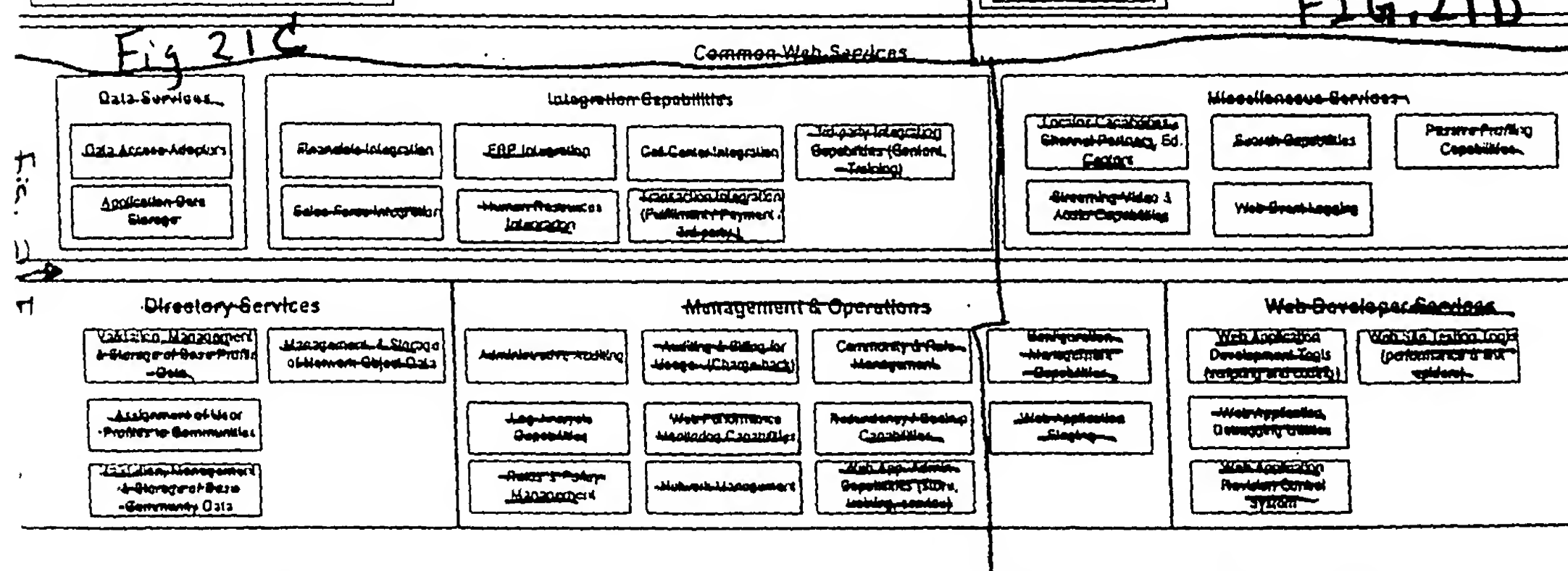
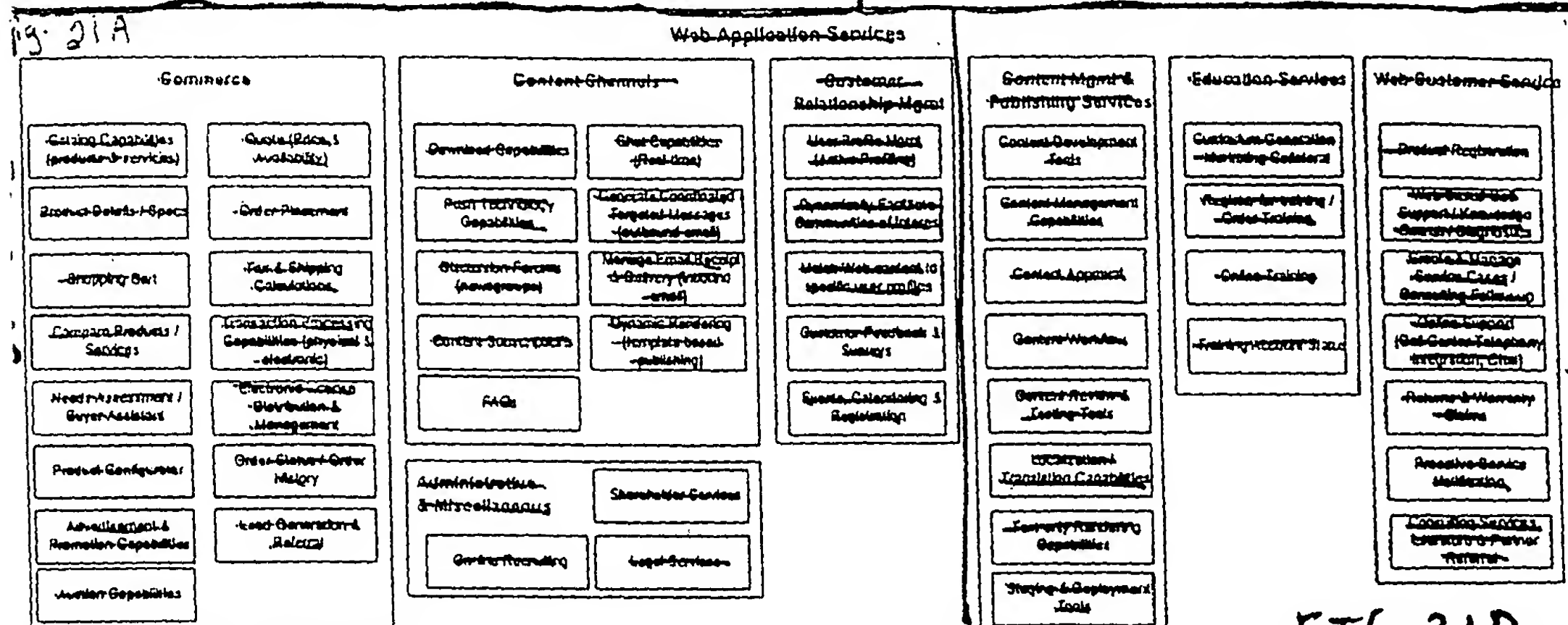
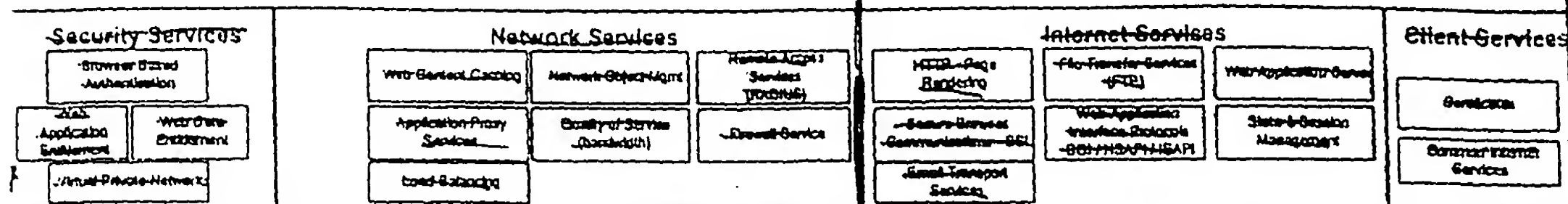


Figure 21L

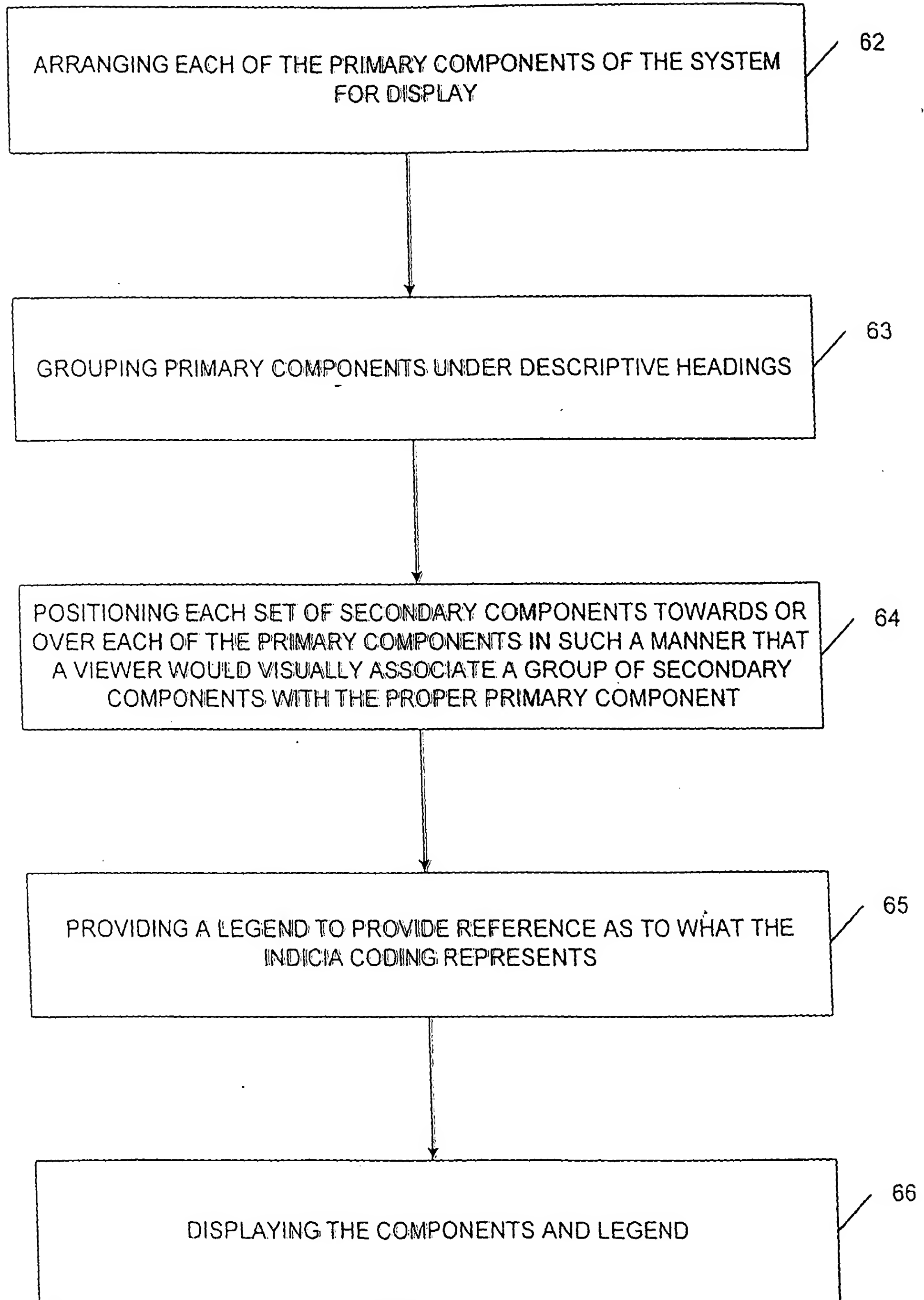
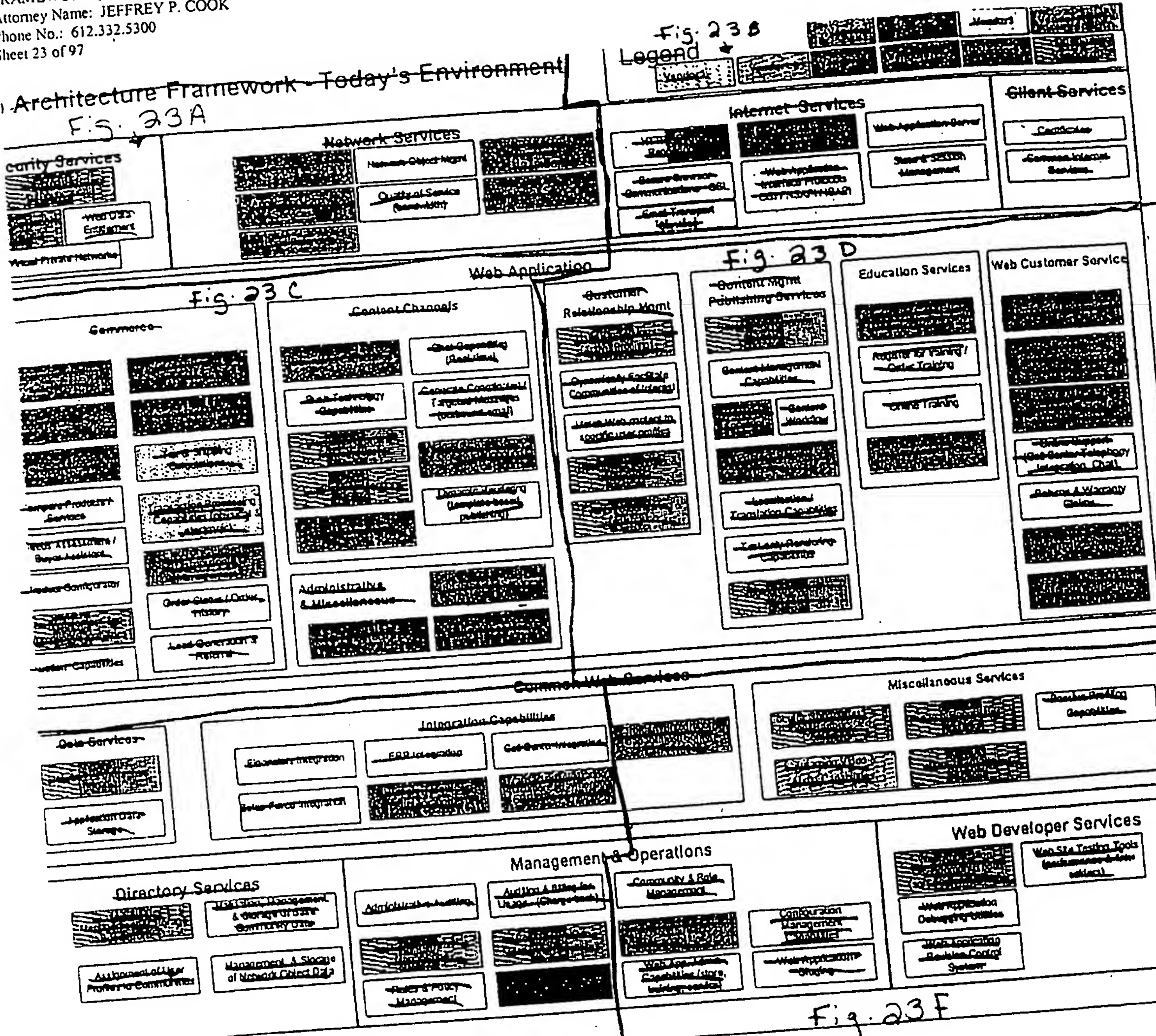
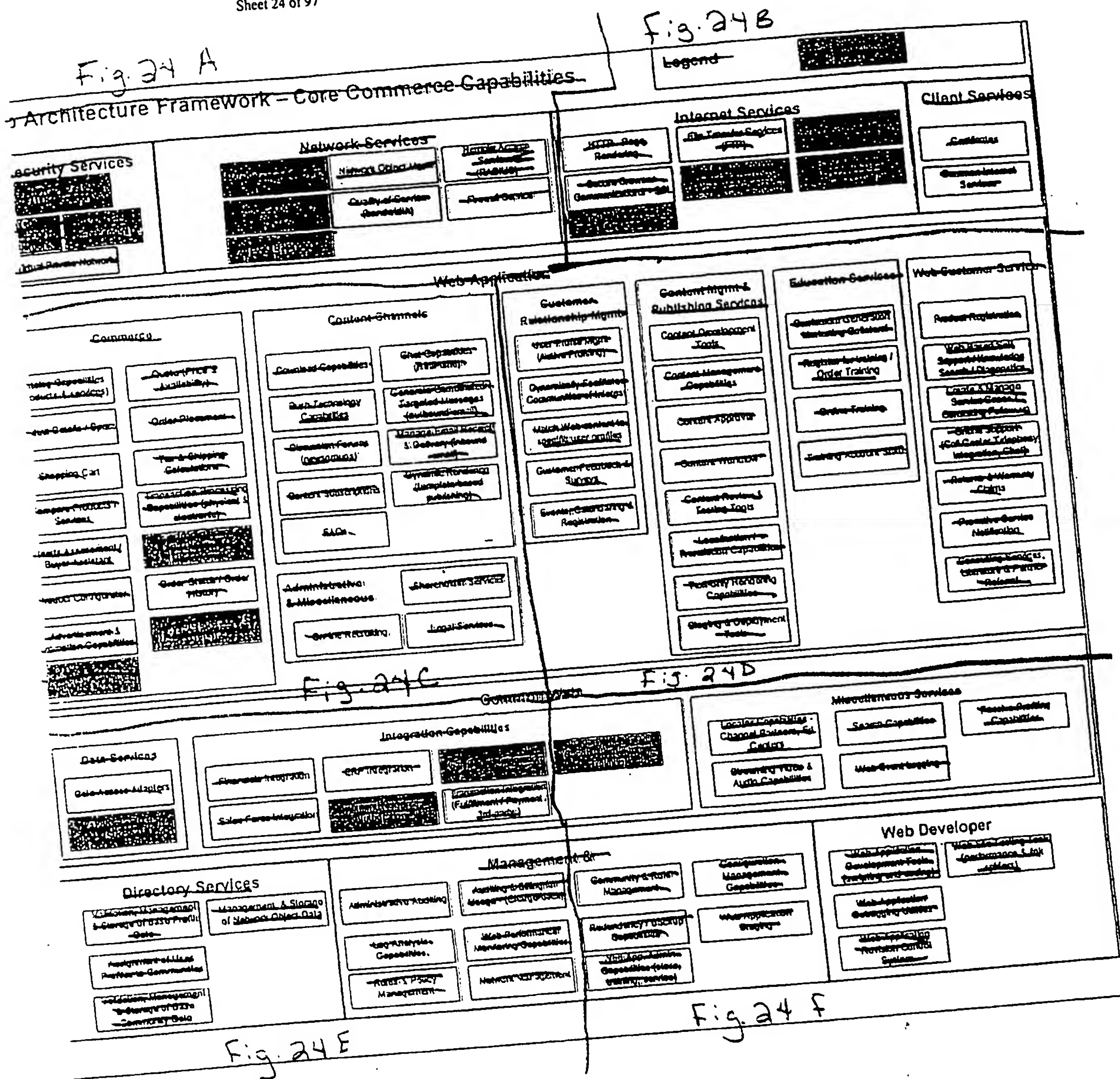


Figure 11-1

Architecture Framework - Today's Environment





24
 Figure 14

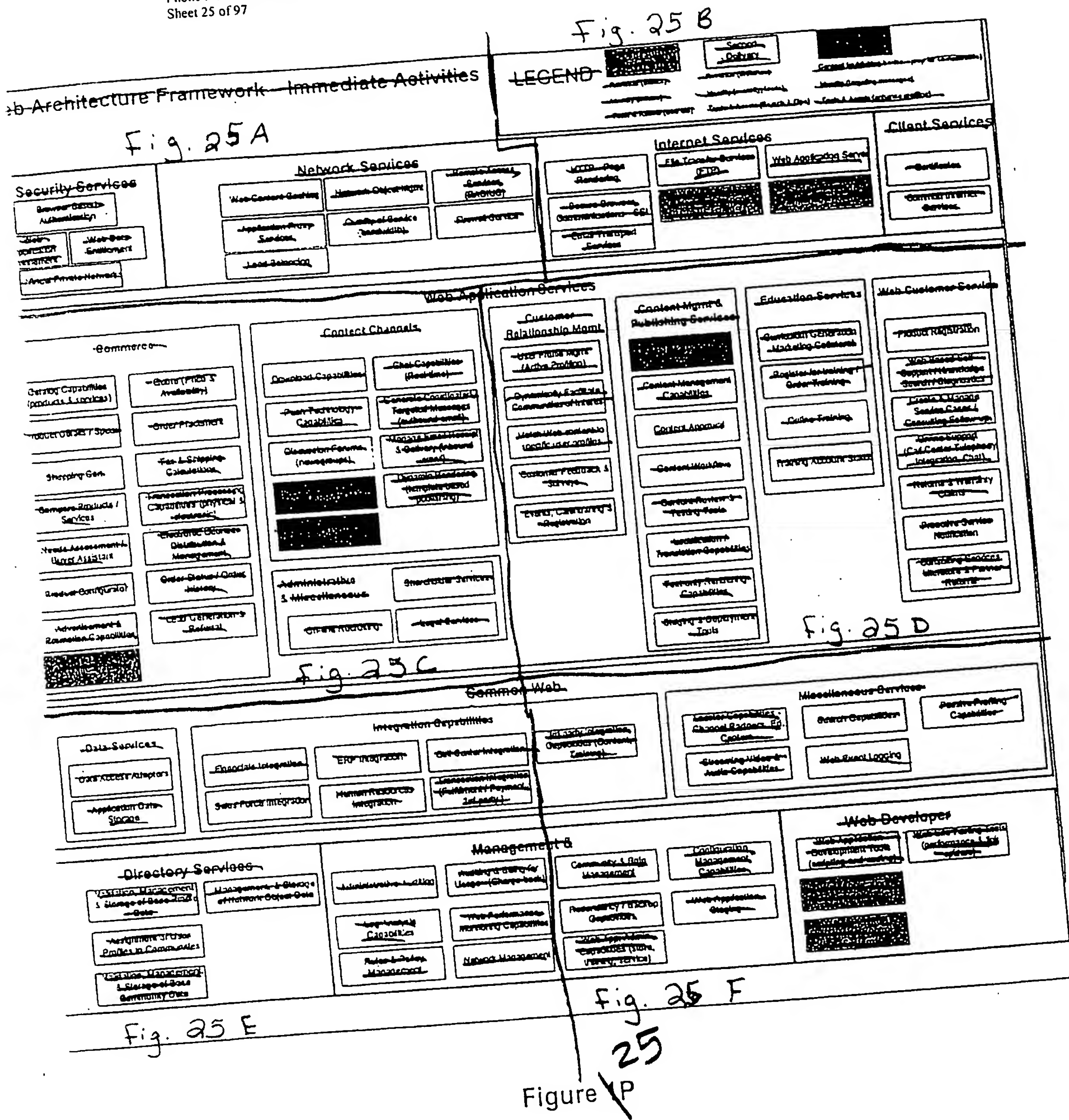


Fig. 26A

Core Commerce Capabilities - Infrastructure Services

Core Capabilities Existing Capabilities

- ☐ Verifies user identity using built-in browser functionality
- ☐ Maintains authentication information throughout sessions
- ☐ Utilizes centralized directory of profiles
- ☐ Provides LDAP compatibility
- ☐ Provides NDS compatibility
- ☐ Restricts access to specific web applications based upon user privileges
- ☐ Determines if a user or group of users have permission to perform an operation in a specific application
- ☐ Utilizes centralized directory of profiles for authentication data
- ☐ Provides LDAP compatibility
- ☐ Provides NDS compatibility
- ☐ Restricts access to web content and data based upon user privileges
- ☐ Determines if a user or group of users have permission to manipulate web data (create, read, update, delete)
- ☐ Utilizes centralized directory of profiles for authentication data
- ☐ Provides LDAP compatibility
- ☐ Provides NDS compatibility
- ☐ Stores frequently requested web pages and graphics in a temporary location
- ☐ Serves up previously cached content without accessing original source
- ☐ Updates cache automatically to ensure integrity of content
- ☐ Routes requests from external clients to internal web servers and databases
- ☐ Serves as a trusted agent for business information on the behalf of clients
- ☐ Hides IP addresses of internal servers from external clients
- ☐ Provides configuration control over external access permissions
- ☐ Spreads tasks among application servers using an intelligent load balance scheme (CPU utilization)
- ☐ Provides a centralized load distribution mechanism for multiple servers
- ☐ Identifies servers that are offline and reroute traffic
- ☐ Protects resources on a private network from users of other networks
- ☐ Filters network traffic based on security rules
- ☐ Provides alarm notification on attacks
- ☐ Provides logging and reporting functions
- ☐ Provides port and traffic control
- ☐ Serves requested web pages and graphics from web servers to client web browsers
- ☐ Supports page rendering for multiple languages
- ☐ Supports multiple content sources (file system, databases, scripts)

Fig. 26C

Legend: Available Today

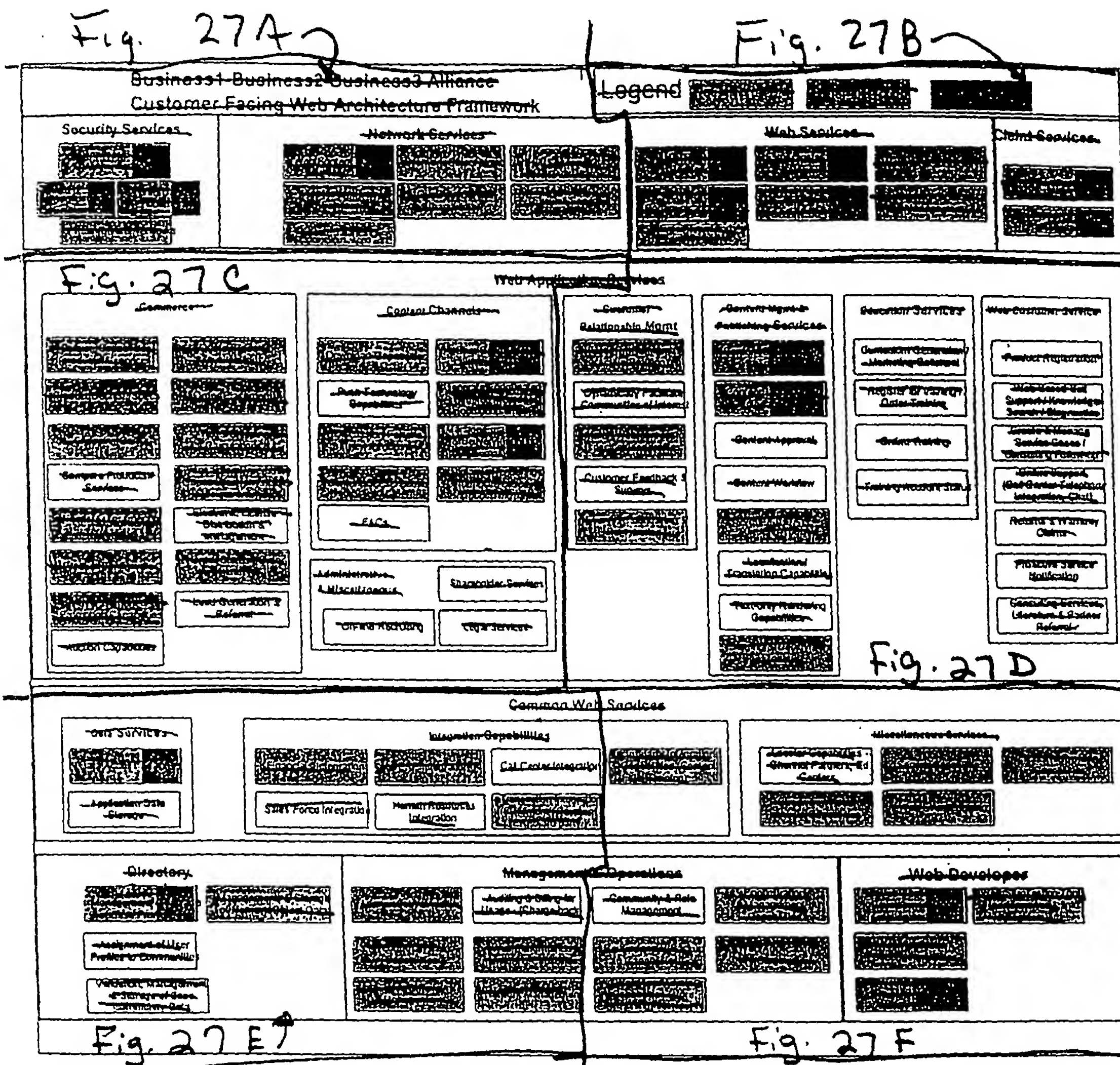
Core Capabilities Existing Capabilities

- ☐ Provides encrypted communication with common web browsers
- ☐ Supports the Secure Sockets Layer protocol 3.0
- ☐ Supports the Secure Sockets Layer protocol 2.0
- ☐ Transfers files between computers on the Internet using the standard File Transfer Protocol (FTP)
- ☐ Stores files on a file system or database
- ☐ Provides mechanism to manage access control for files and FTP sessions
- ☐ Supports Common Gateway Interface (CGI) protocol
- ☐ Supports Netscape 3.01 (NSAPI) protocol
- ☐ Supports Microsoft API (MSAPI) protocol
- ☐ Provides alternative to the interface mechanism that may be used
- ☐ Executes web application logic
- ☐ Utilizes user session information to support interactive applications
- ☐ Provides scalability features
- ☐ Provides fail-over features
- ☐ Provides application programming logic
- ☐ Provides mechanism to note and remember one or more preceding events in a chain sequence of interactions with the user or application
- ☐ Tracks state and session information
- ☐ Manages multiple independent sessions simultaneously, calling
- ☐ Supports Client Cookies
- ☐ Supports Client URL Encoding
- ☐ Supports Server Information with Client Cookies
- ☐ Supports Server Information with URL Session Identifiers
- ☐ Provides adapter mechanism to communicate and transfer data at the functional level with Oracle Financials 4.6.6's
- ☐ Supports Oracle APIs for external information
- ☐ Supports Data Access Adapter capabilities
- ☐ Provides adapter or mechanism to communicate and transfer data at the functional level with Oracle 9i's
- ☐ Supports Siebel's API for external integration
- ☐ Supports Data Access Adapter capabilities
- ☐ Provides adapter mechanism to transfer transactional information to a business process, payment processing center, salesperson resource planning system or other third party
- ☐ Provides reporting and logging functions to detect communication errors
- ☐ Provides adapter or mechanism to communicate with external system that provides additional content such as catalog information
- ☐ Provides reporting and logging functions to detect communication errors

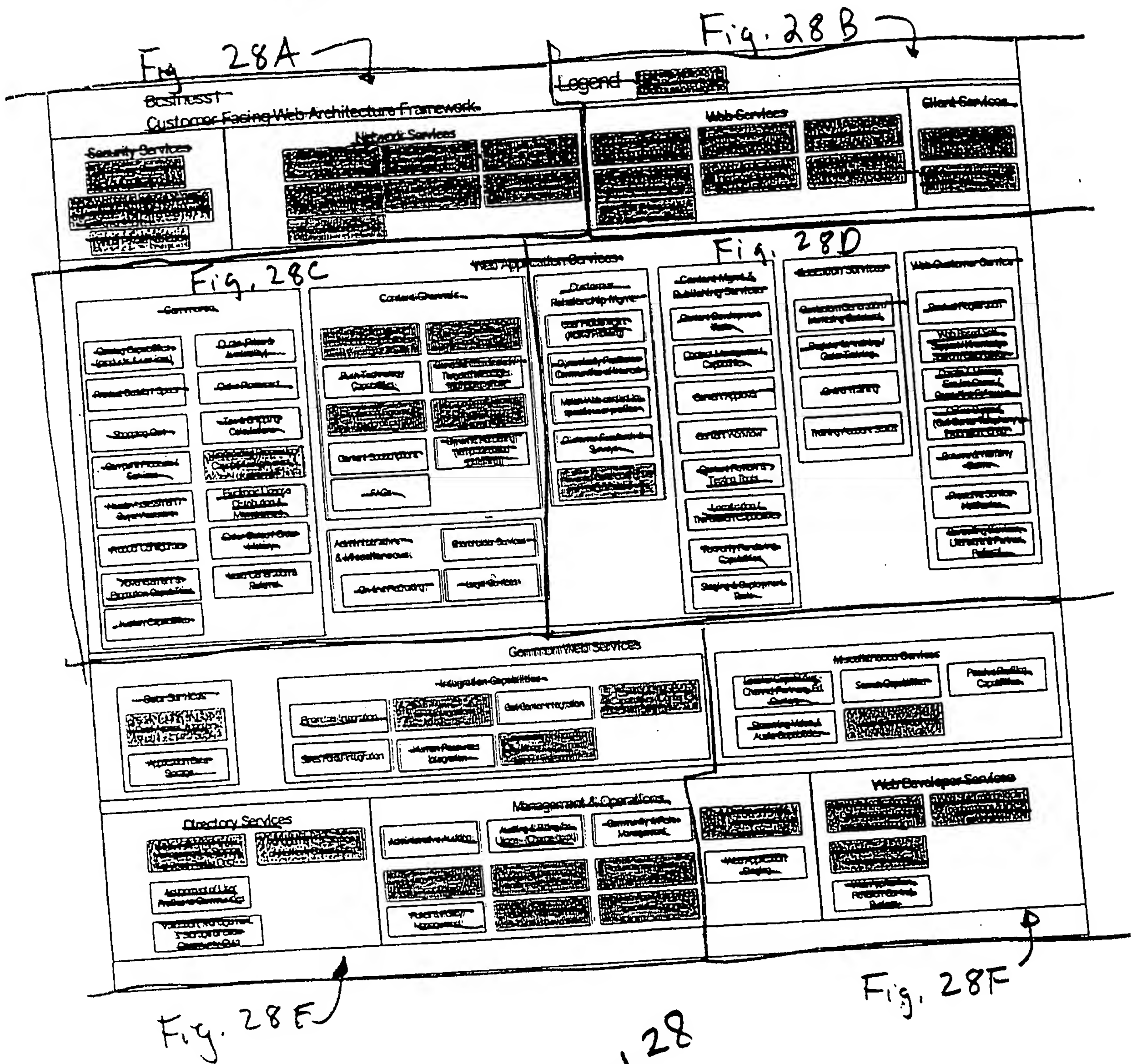
Fig. 26B

Figure 10

Fig. 26D



27
 Figure 1R



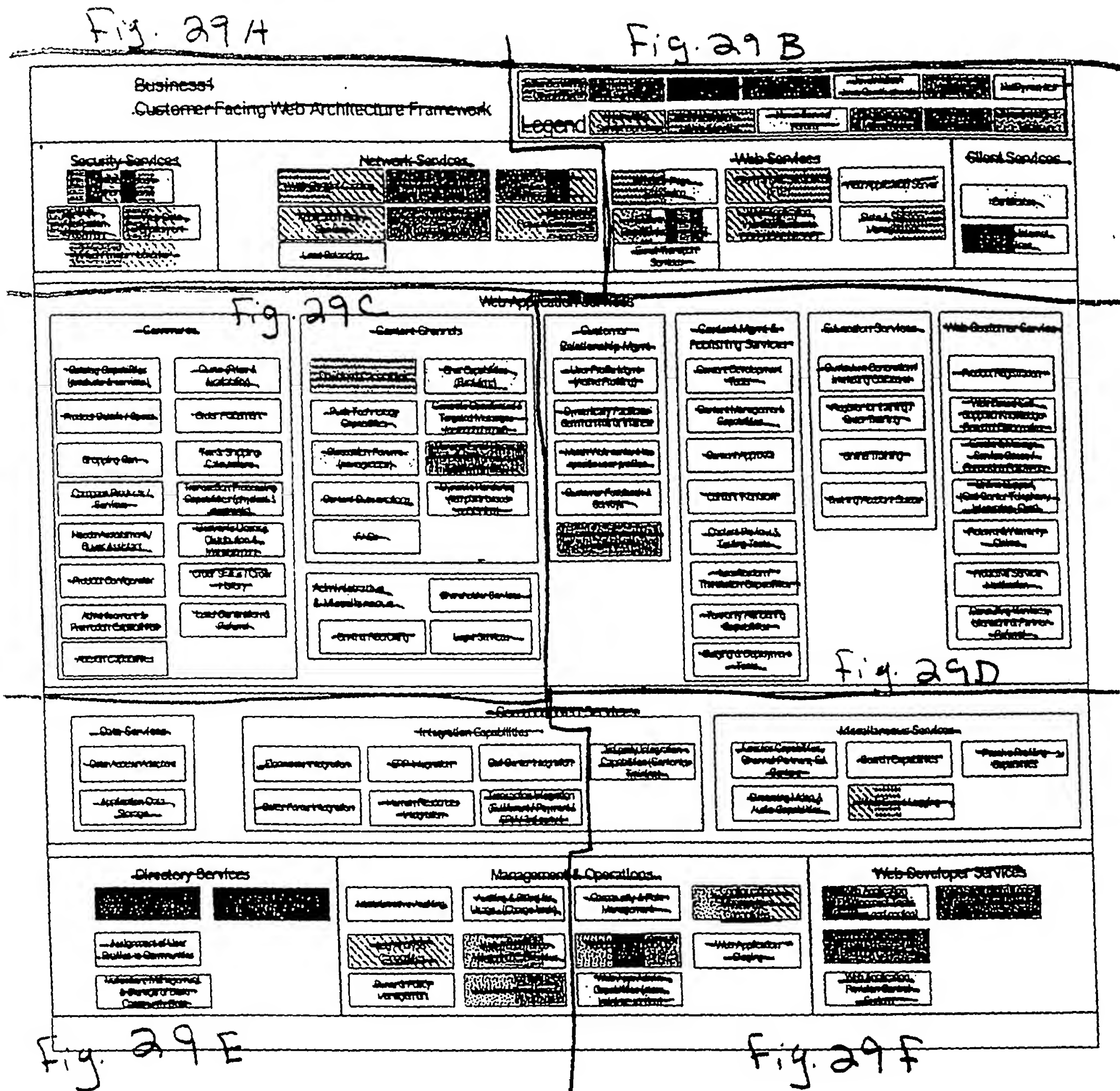
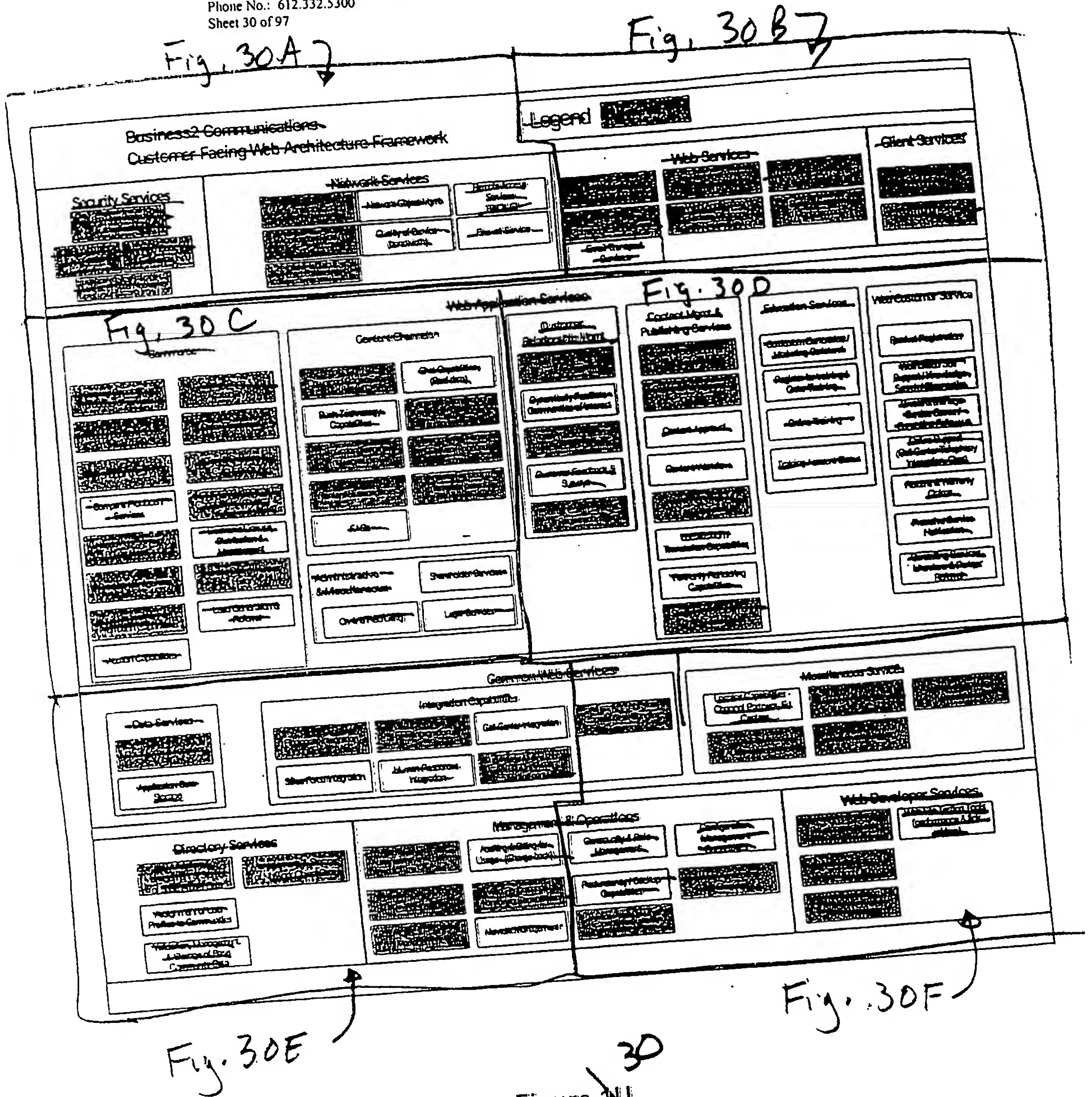


Figure 29



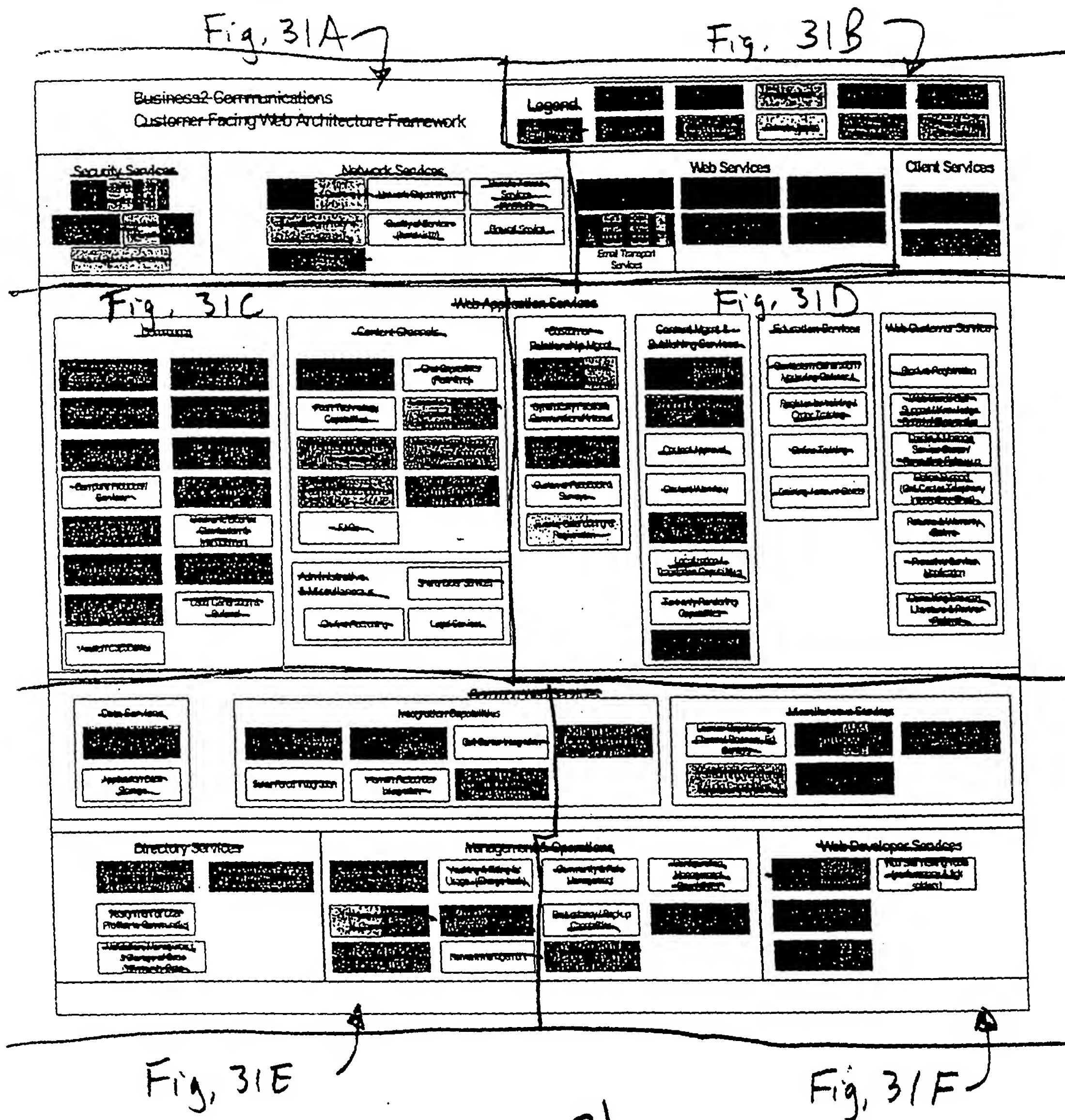


Figure IV ³¹

Fig. 32A

Fig. 32B

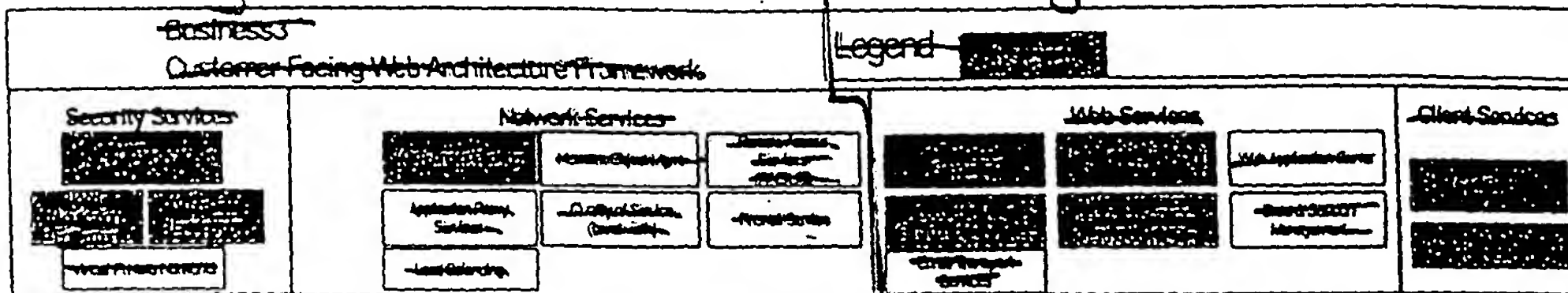


Fig. 32C

Fig. 32D

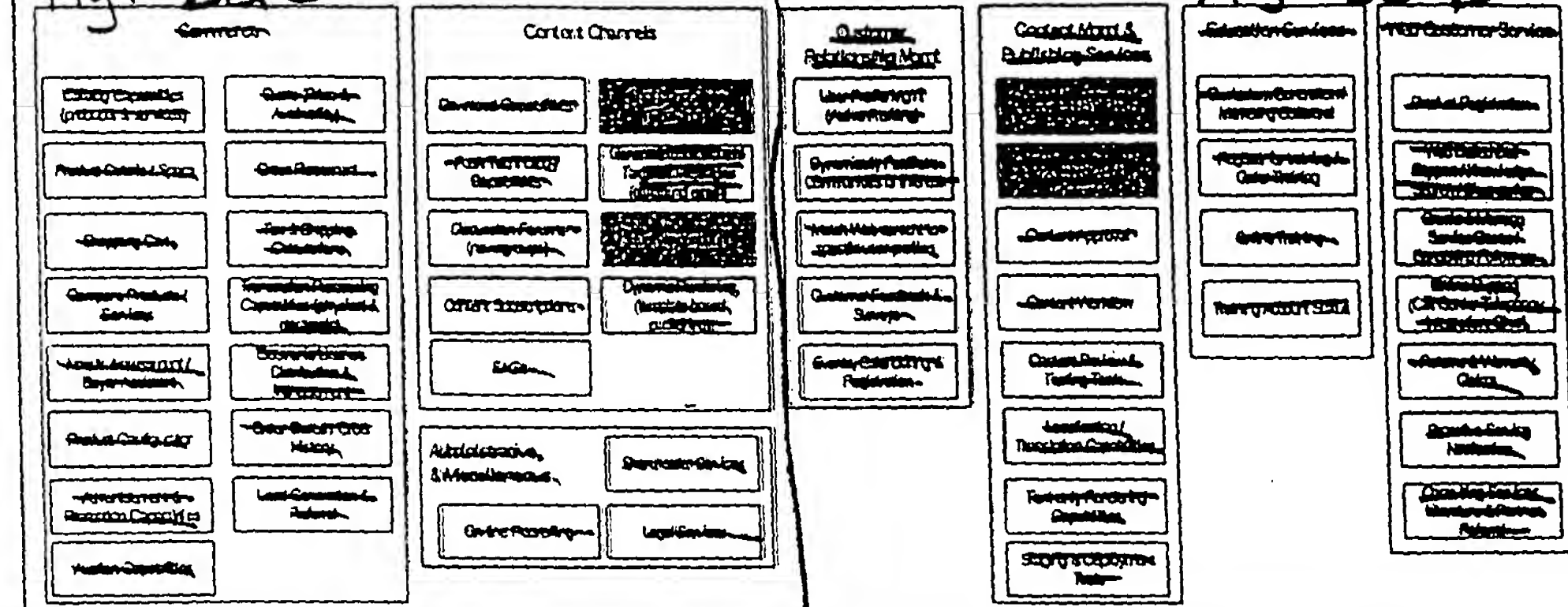
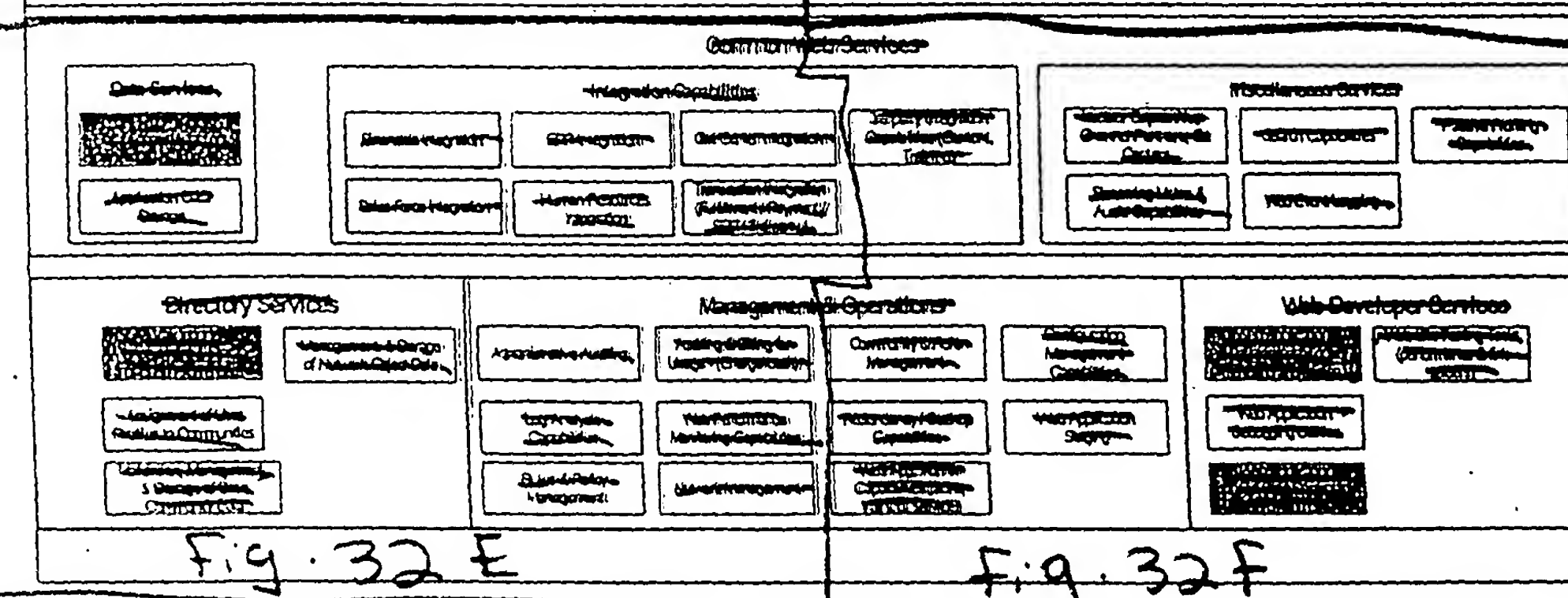


Fig. 32E

Fig. 32F



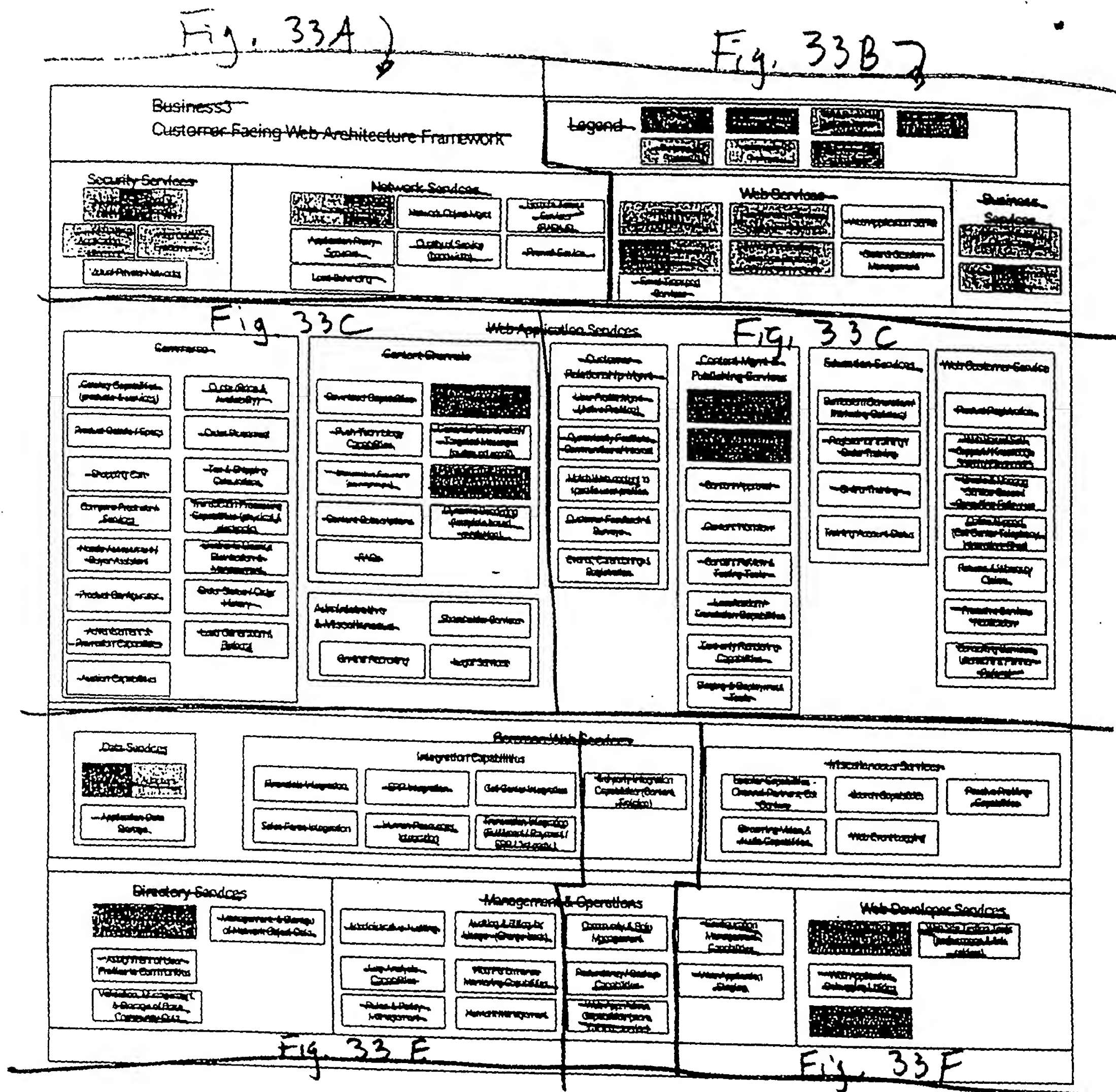


Fig. 34 A

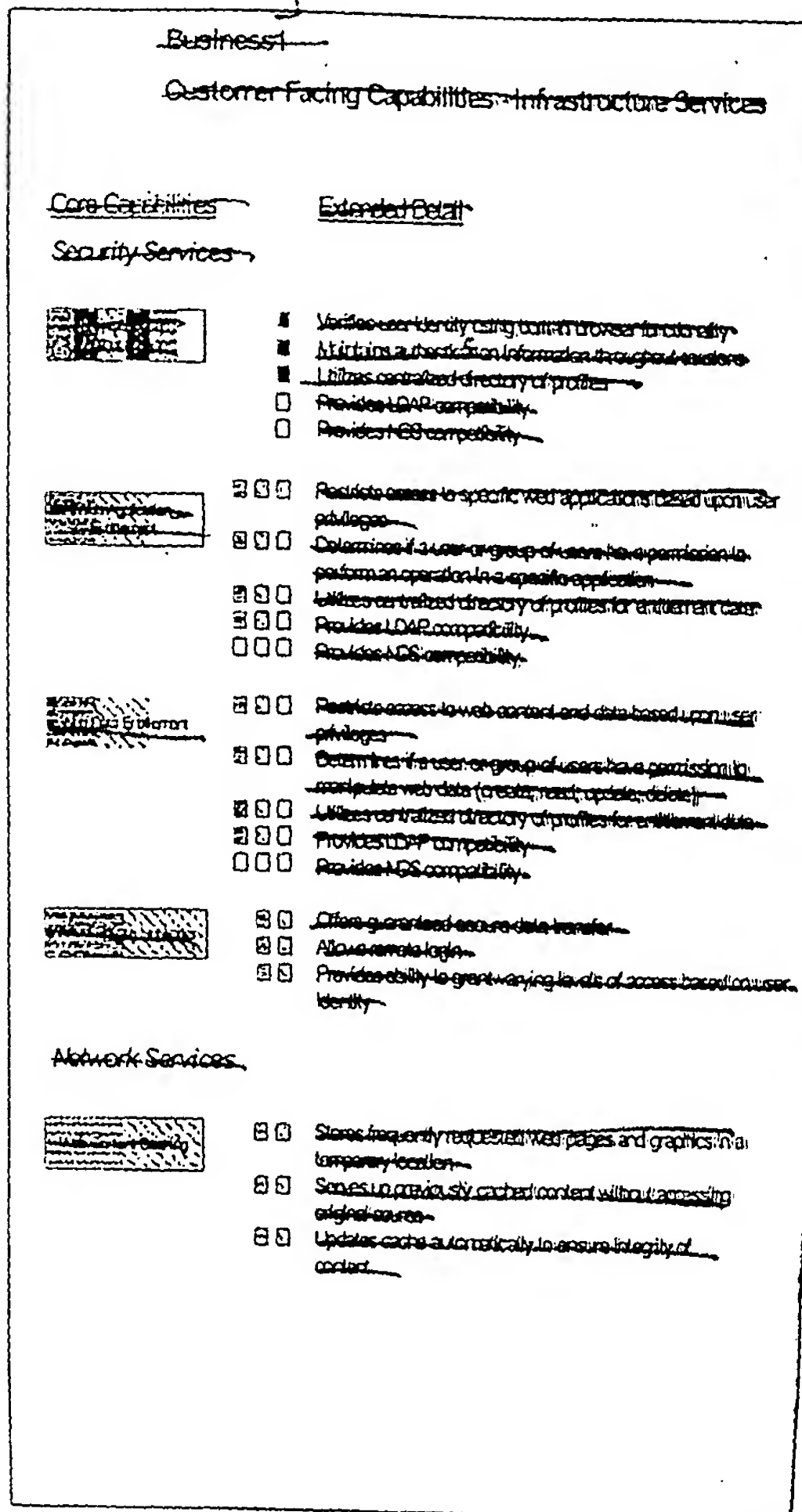


Fig. 34 B

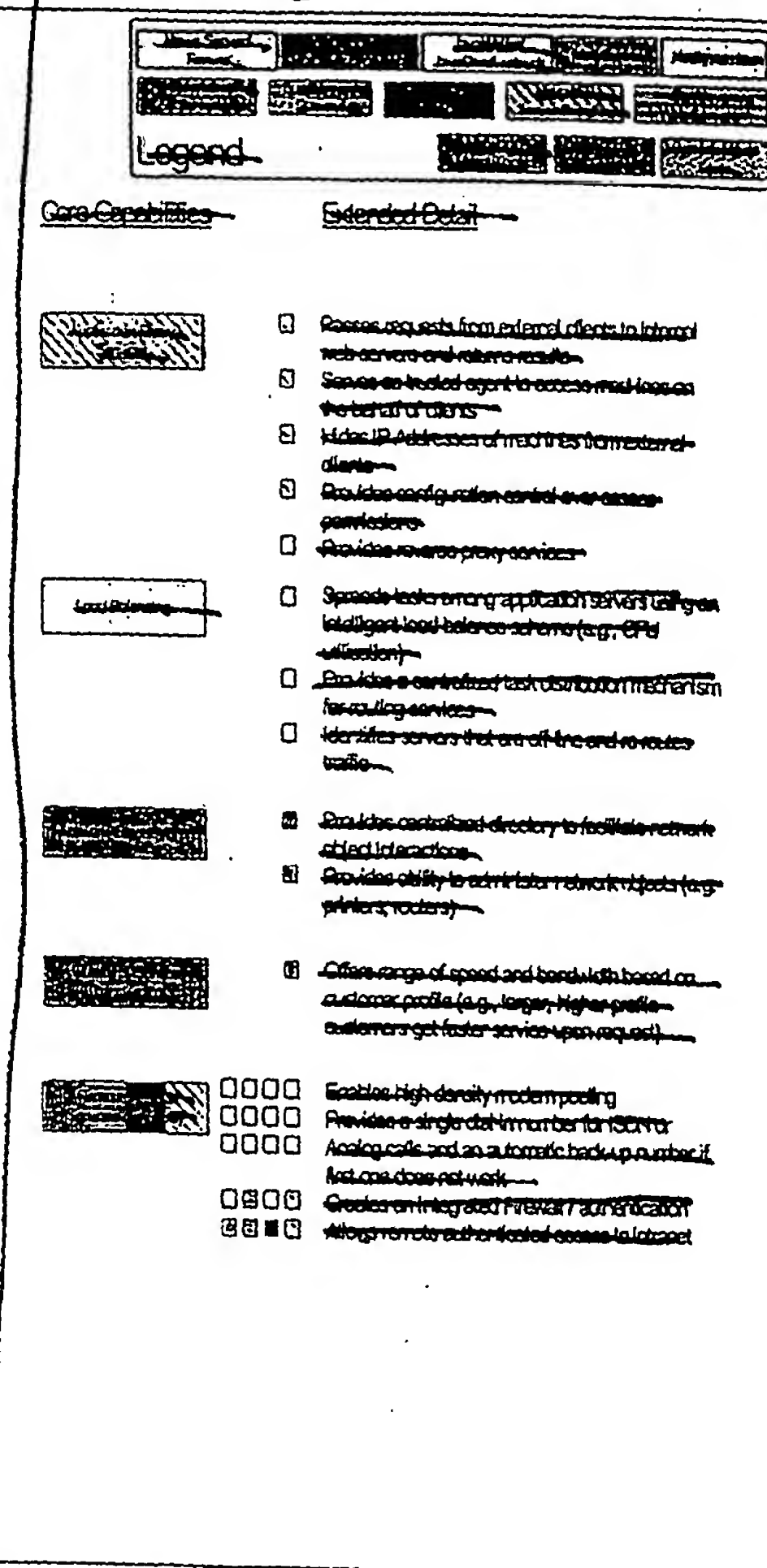


Figure 34

Client2 Application Server

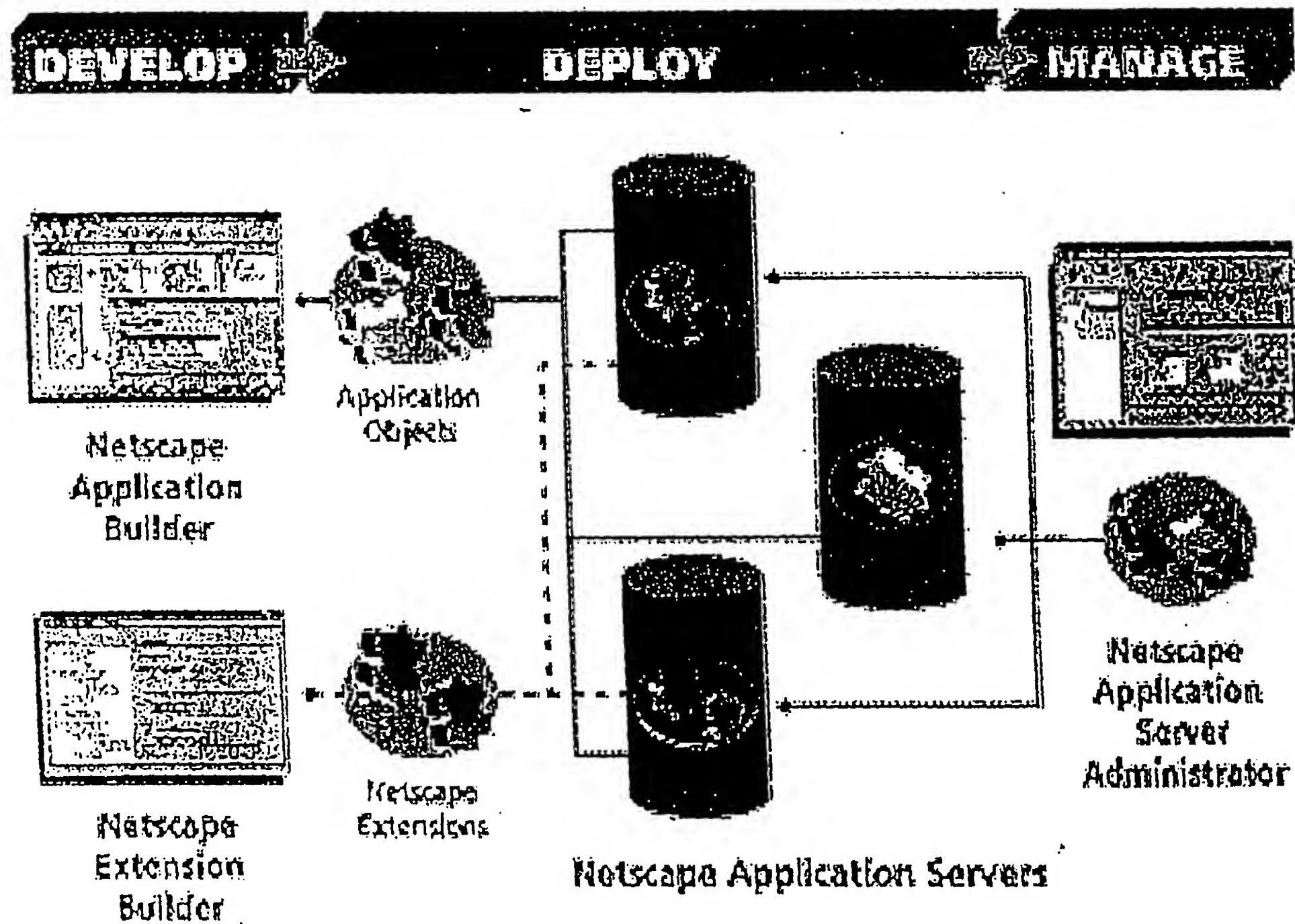
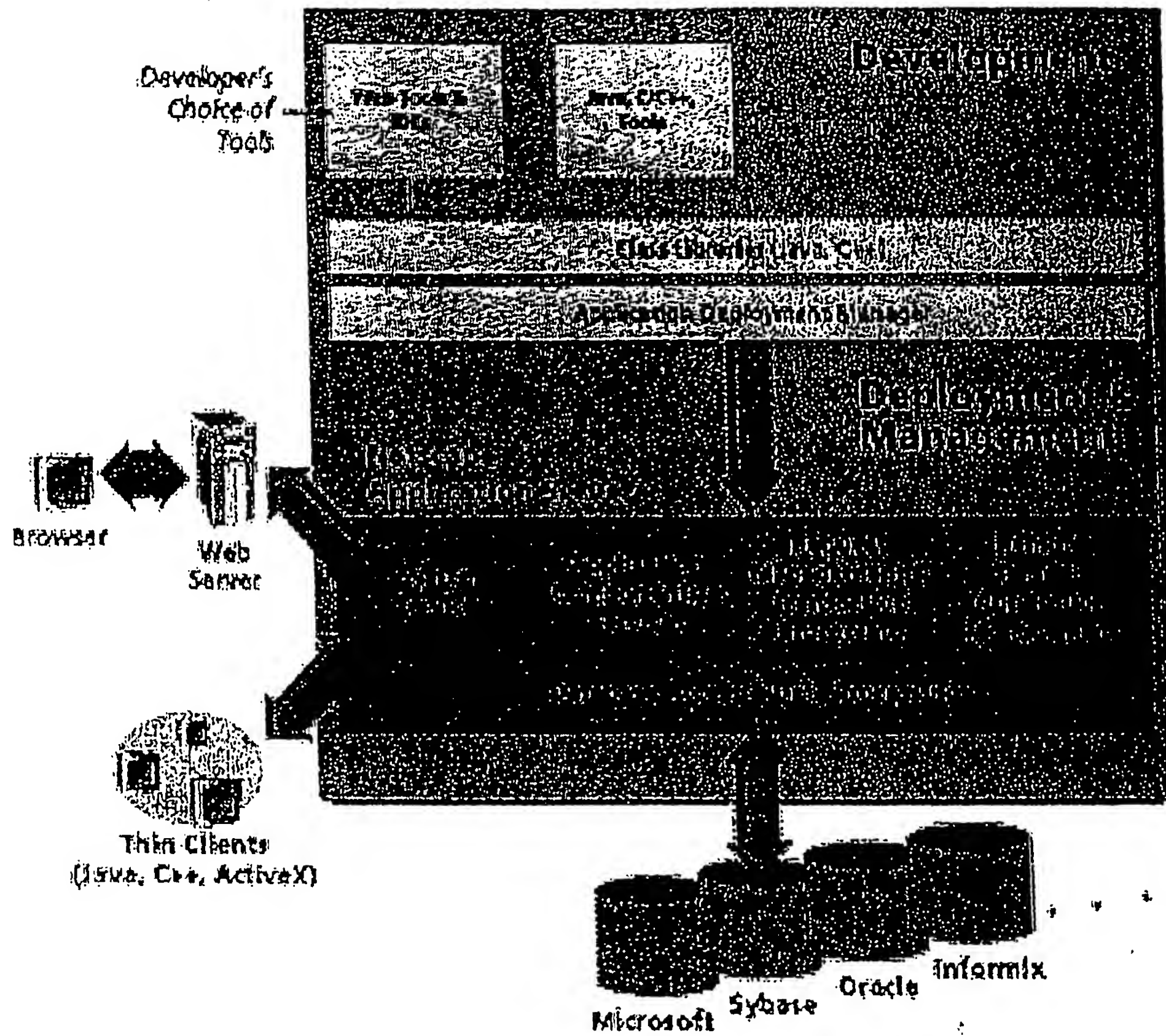


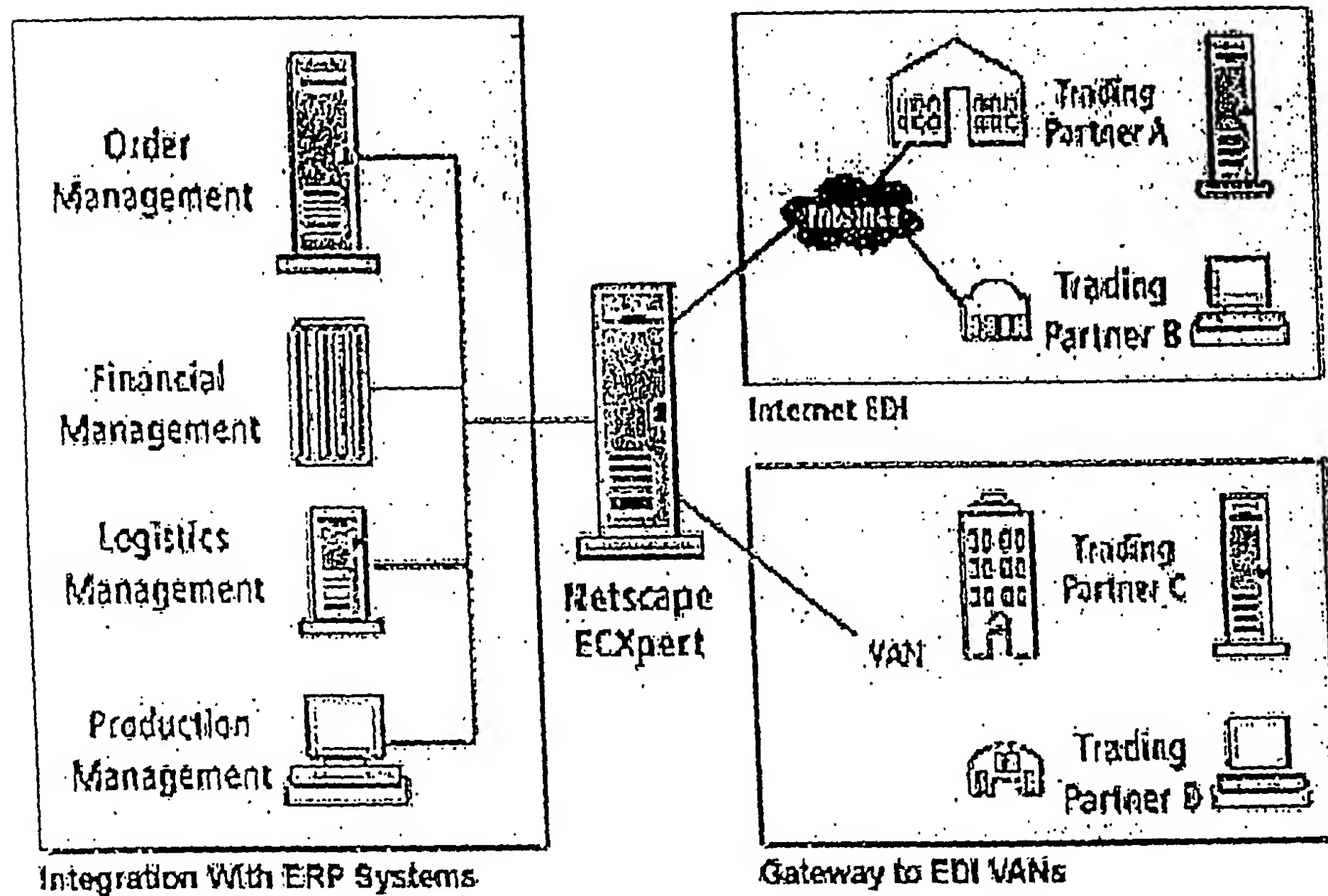
Figure 12³⁵

Client2 Application Server



36
 Figure 1A

Client2 ECXpert



37
Figure 1AB

Client2 ECXpert

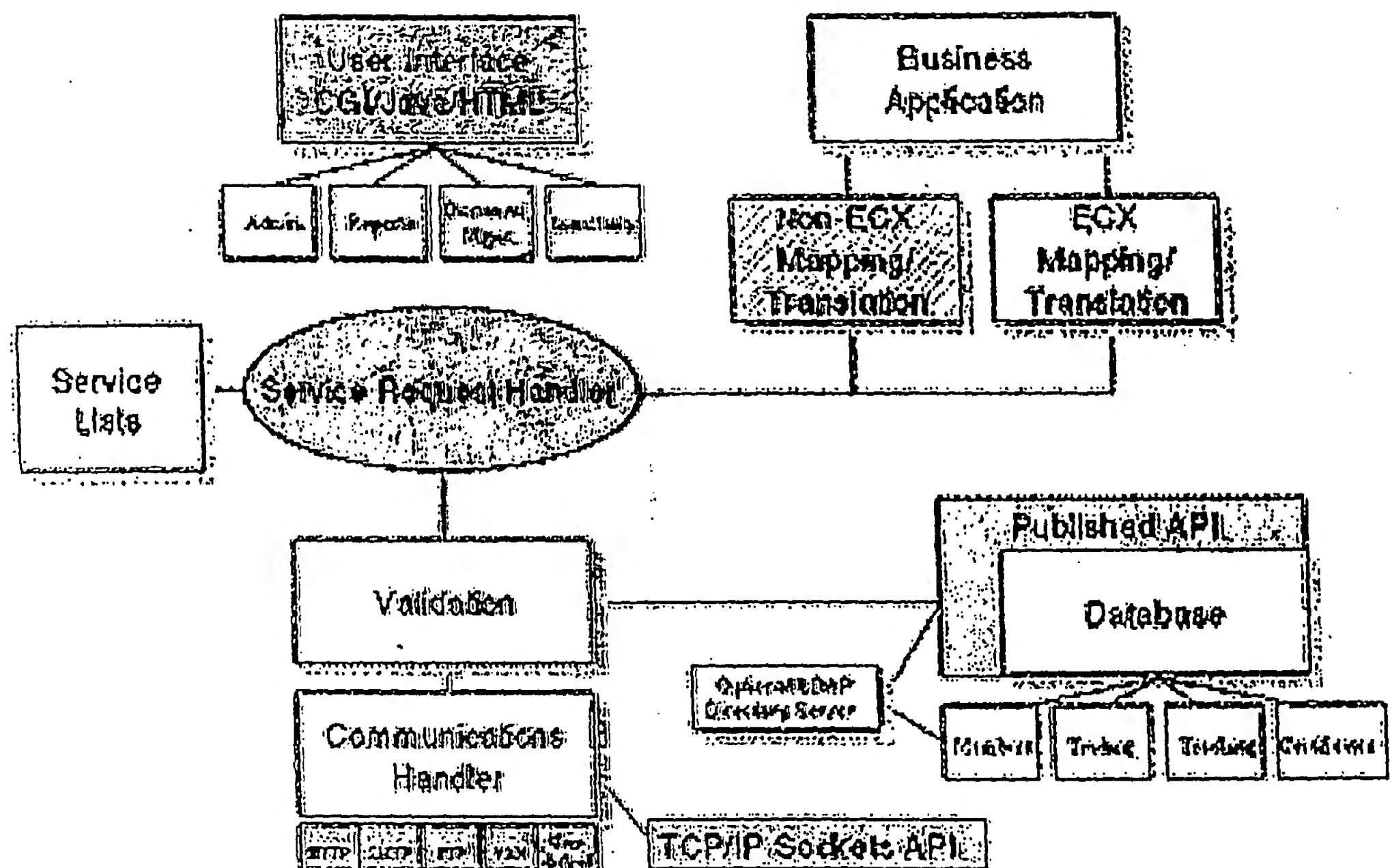


Figure 1A ³⁸
 C

Client2 SellerXpert

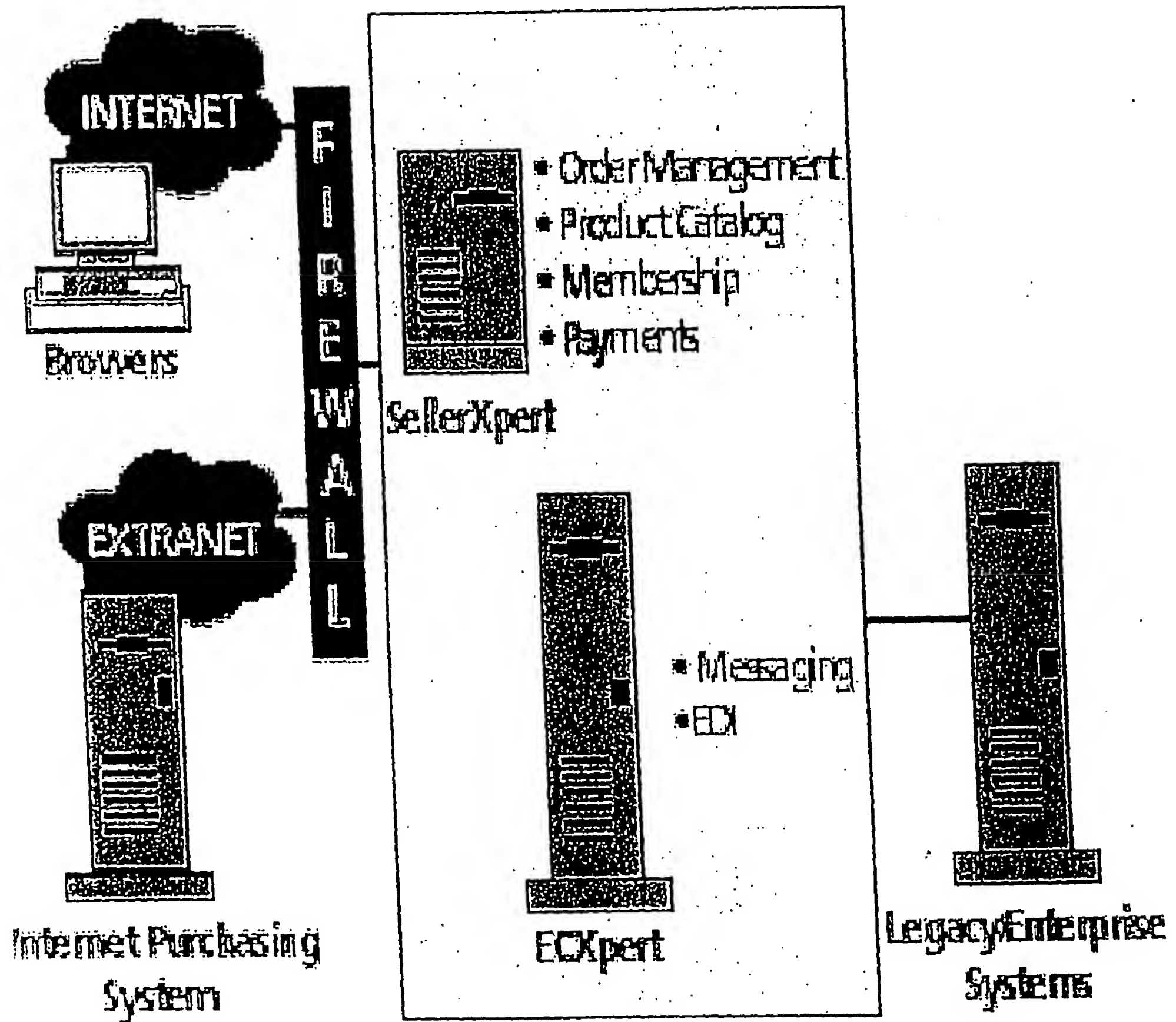
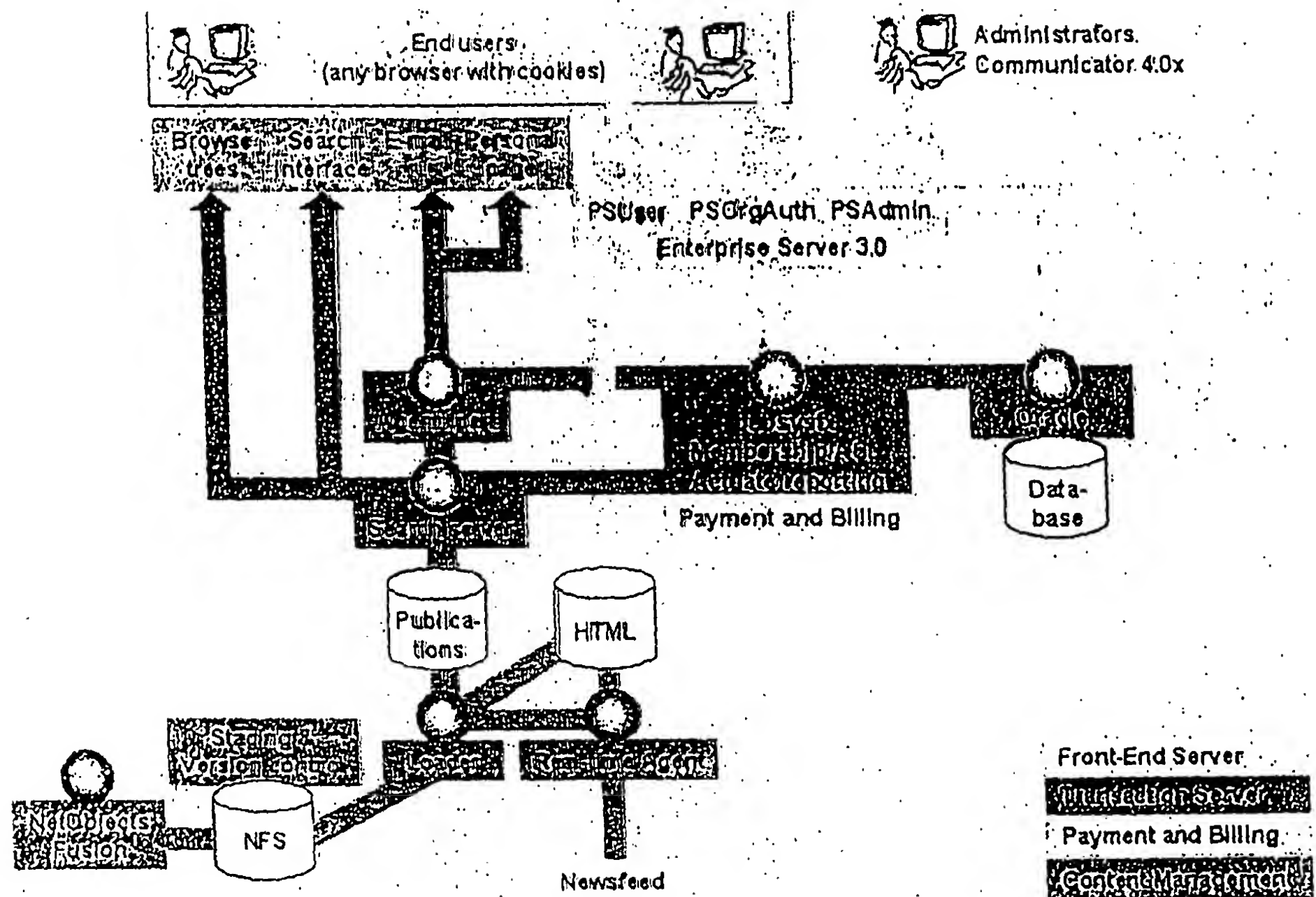


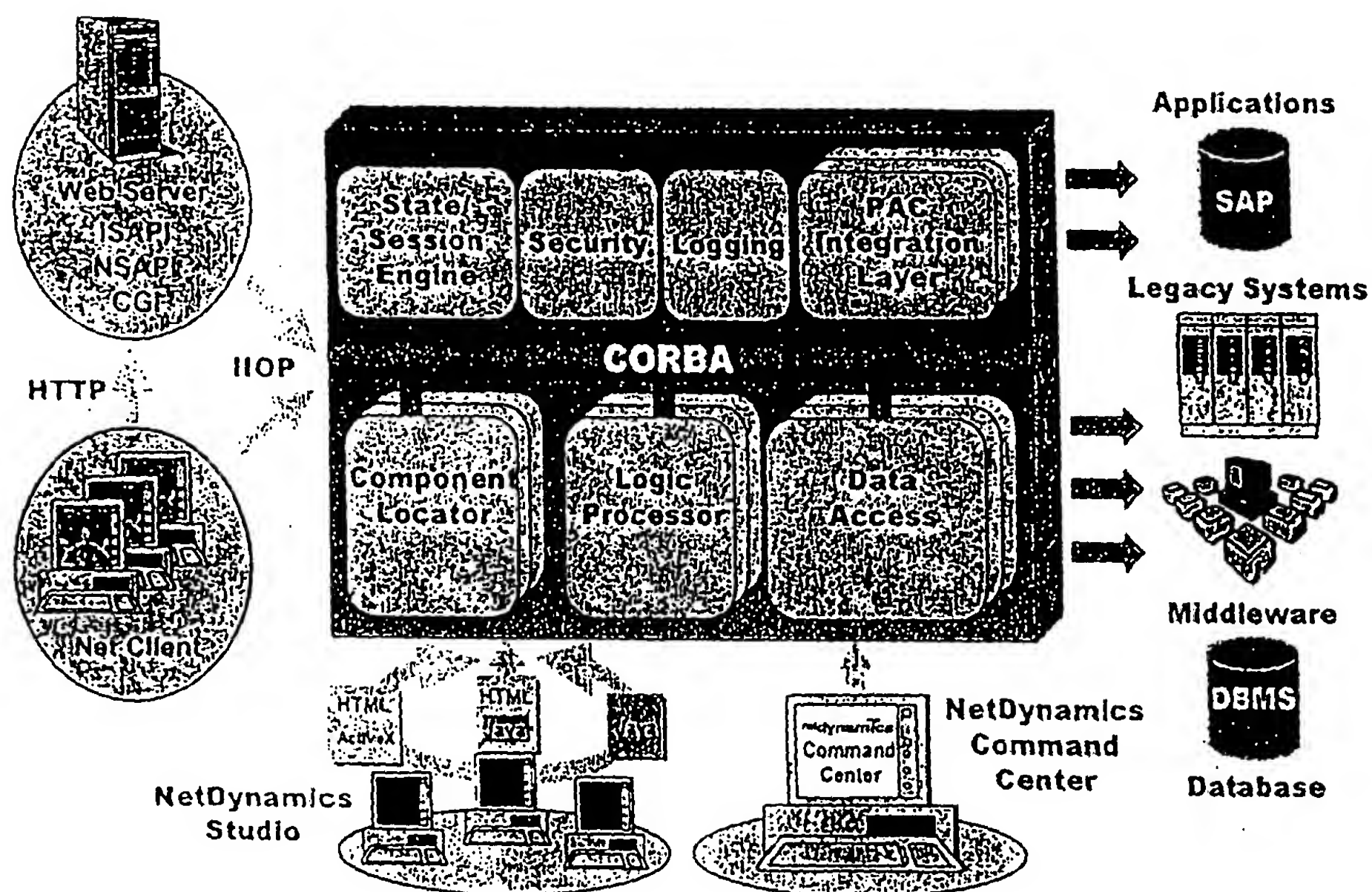
Figure 39 AD

Client2 PublishingXpert



40
 Figure 1AE

Client1 NetDynamics



- ① Any Web browser requests a dynamic page
- ② The Web server notifies ColdFusion
- ③ ColdFusion processes the dynamic page based on the CFML tags
- ④ ColdFusion generates an HTML page
- ⑤ The Web server sends the HTML page to the browser

Figure 1AF

Client1 Internet Mail Server

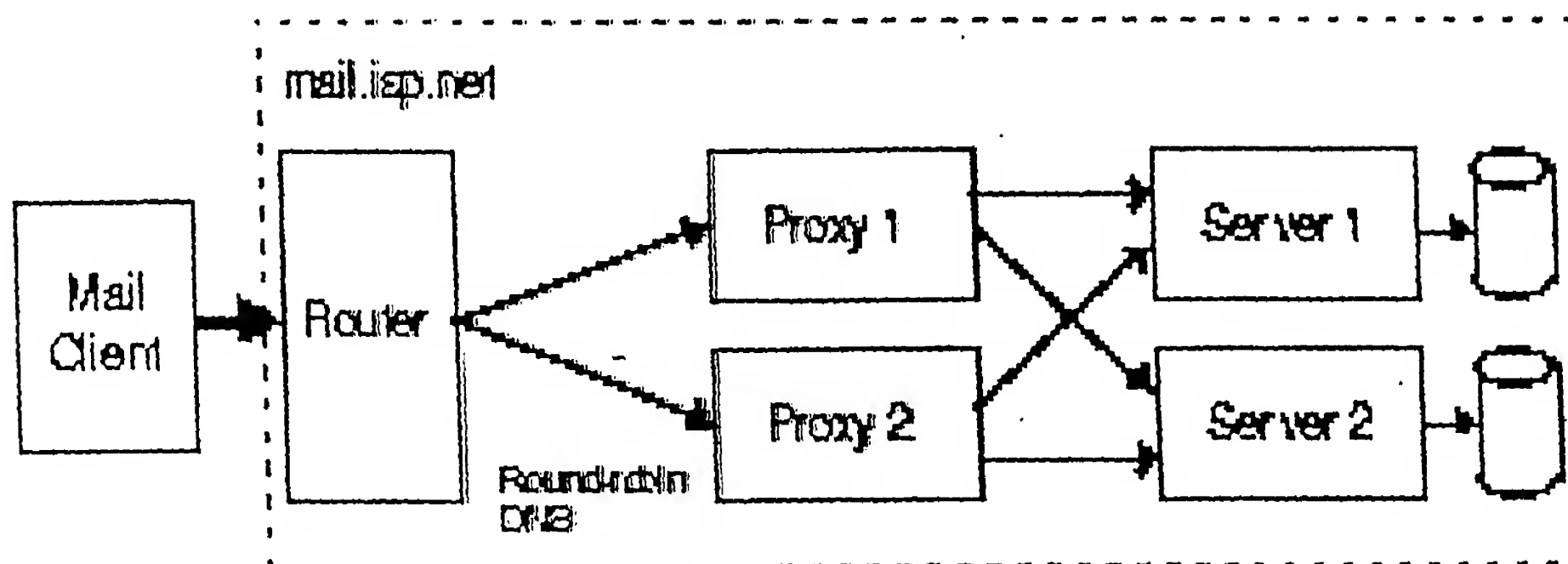


Figure 1A

42

Client1 Internet News Server

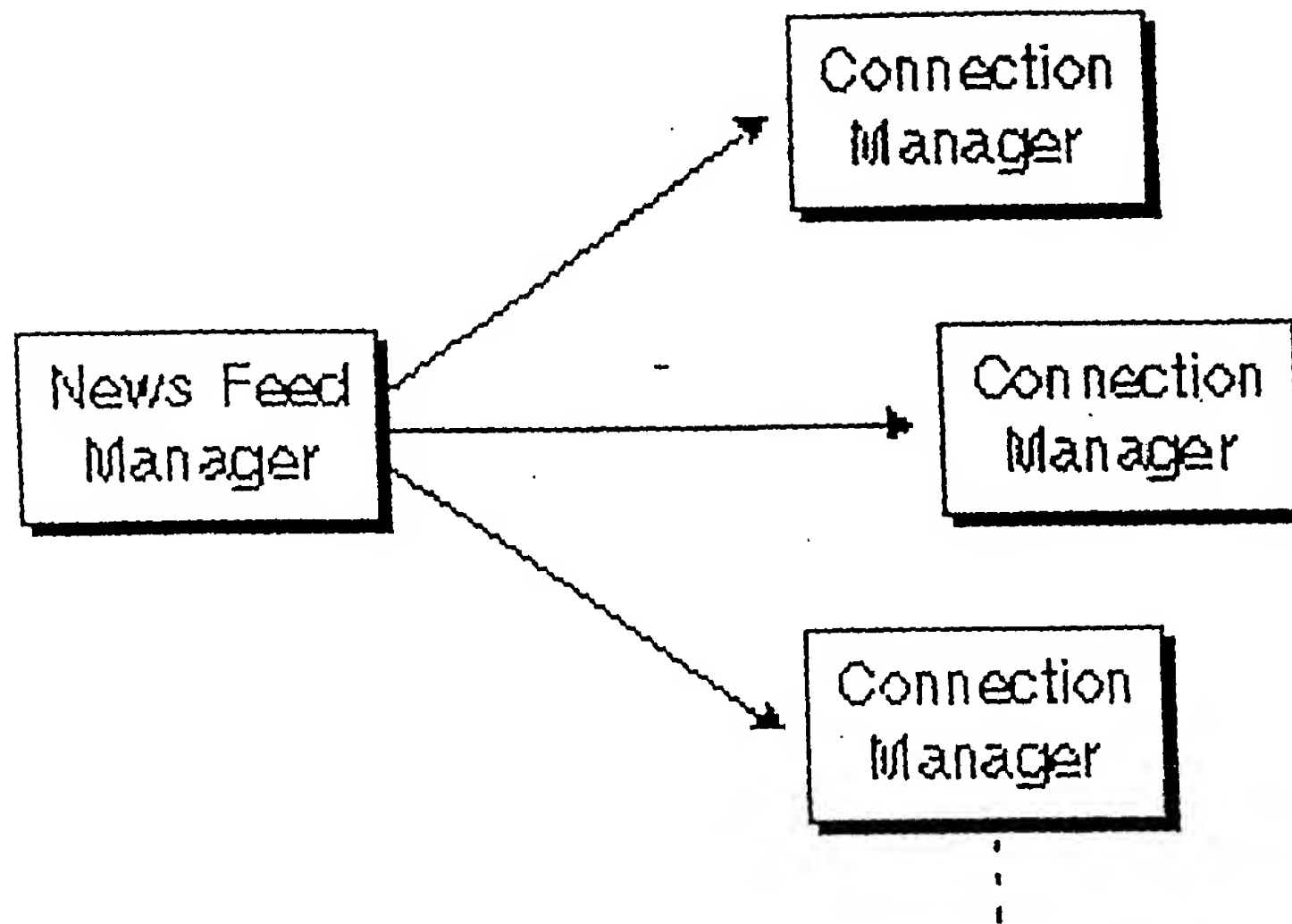


Figure 1A

43

Client1 Personal WebAccess Browser

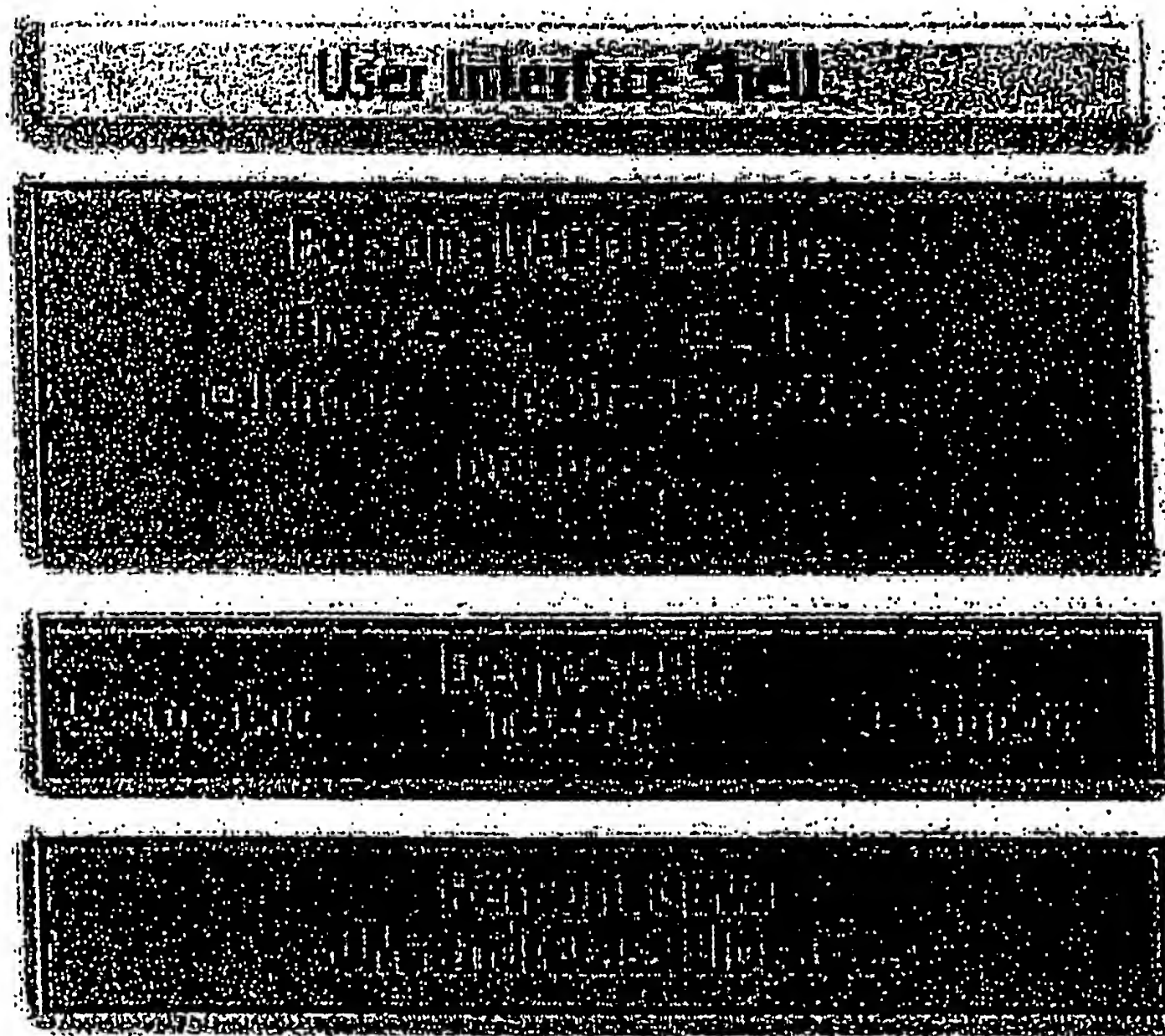


Figure 1A1

Client1 Directory Services

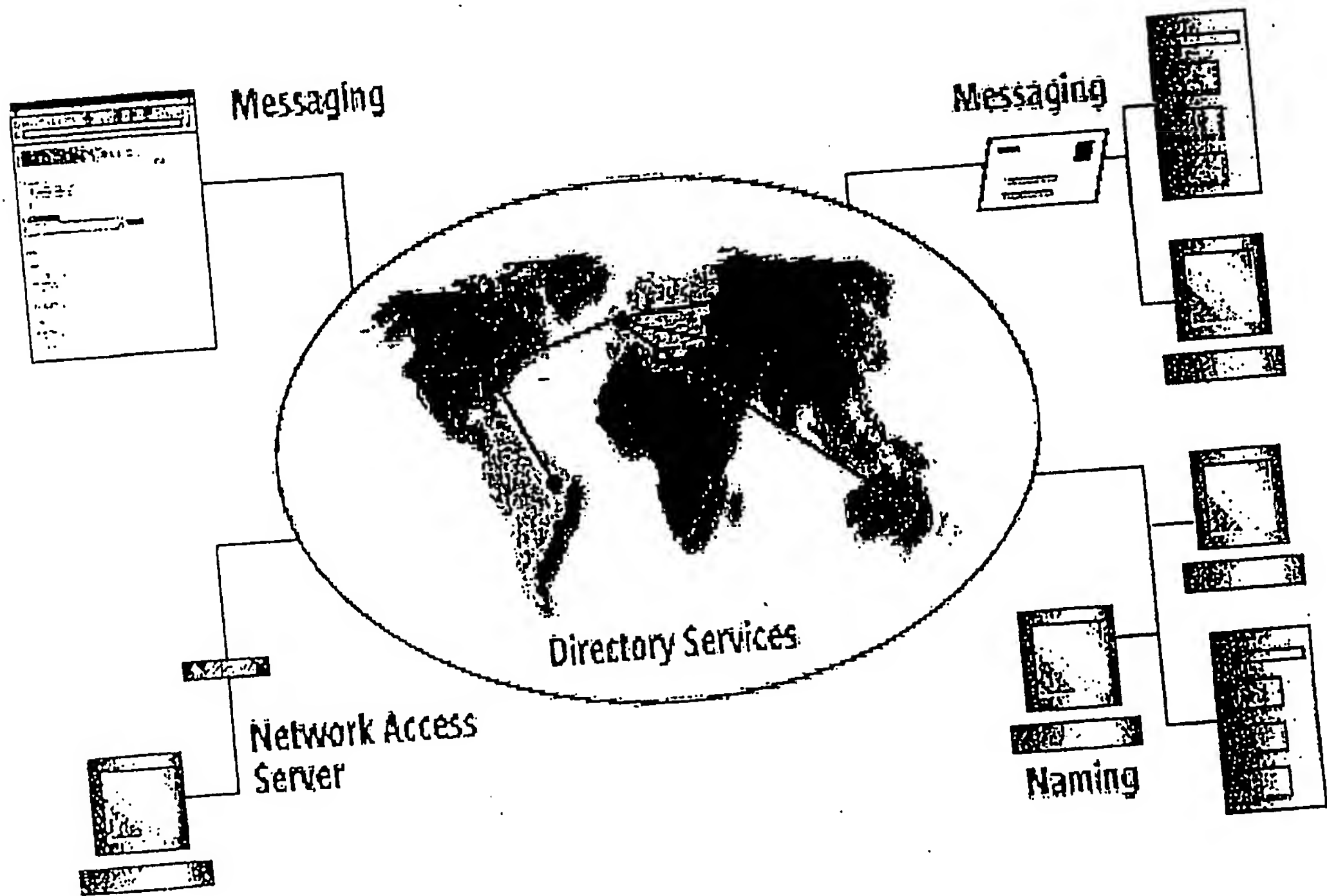
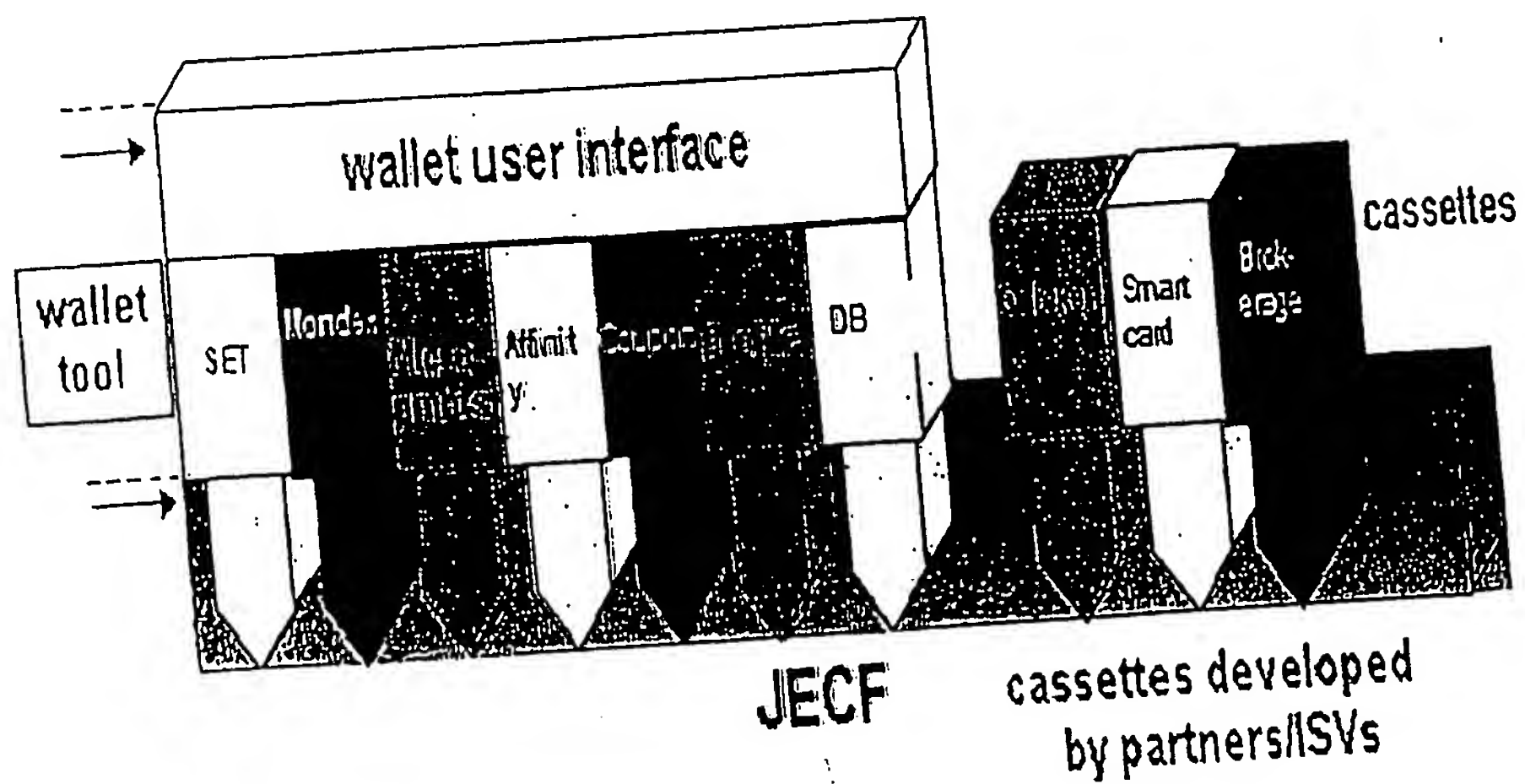


Figure 1A
45

Client1 JavaWallet



46
 Figure 1AK

Client1Screen Product Suite

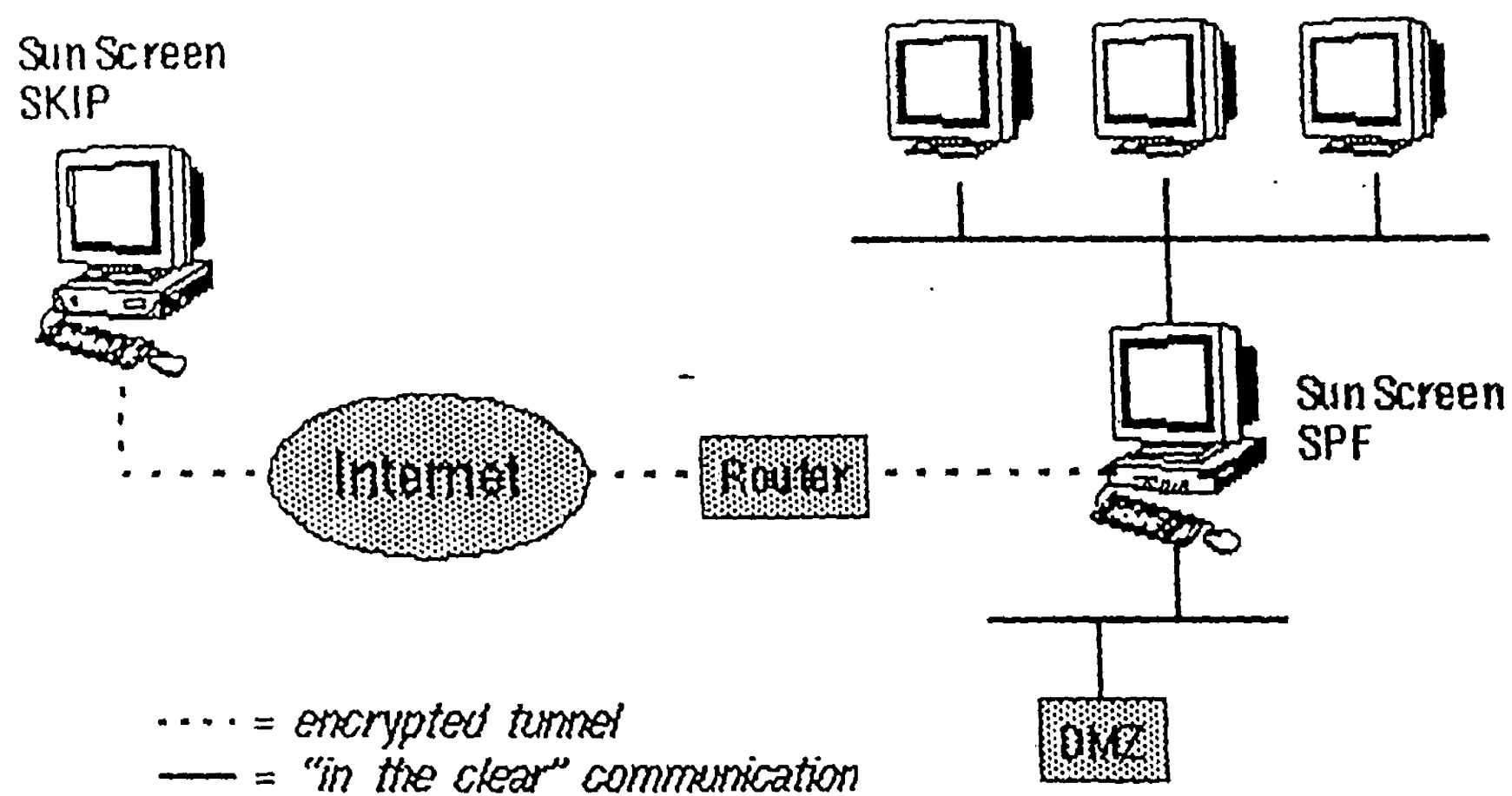


Figure 1AL 47

Netra Internet Server Bundle

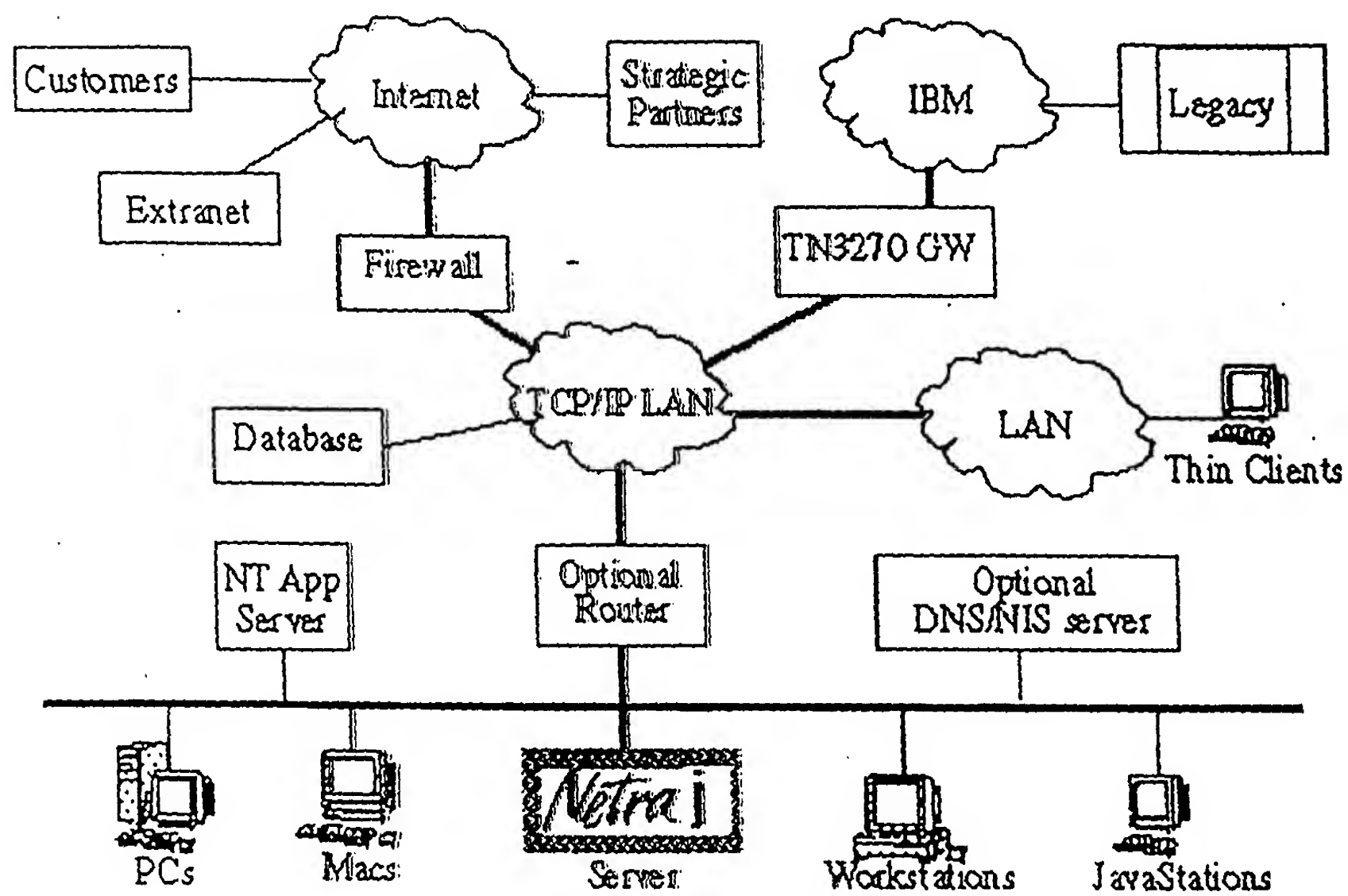


Figure 1AM

48

Solaris ISP Server Bundle

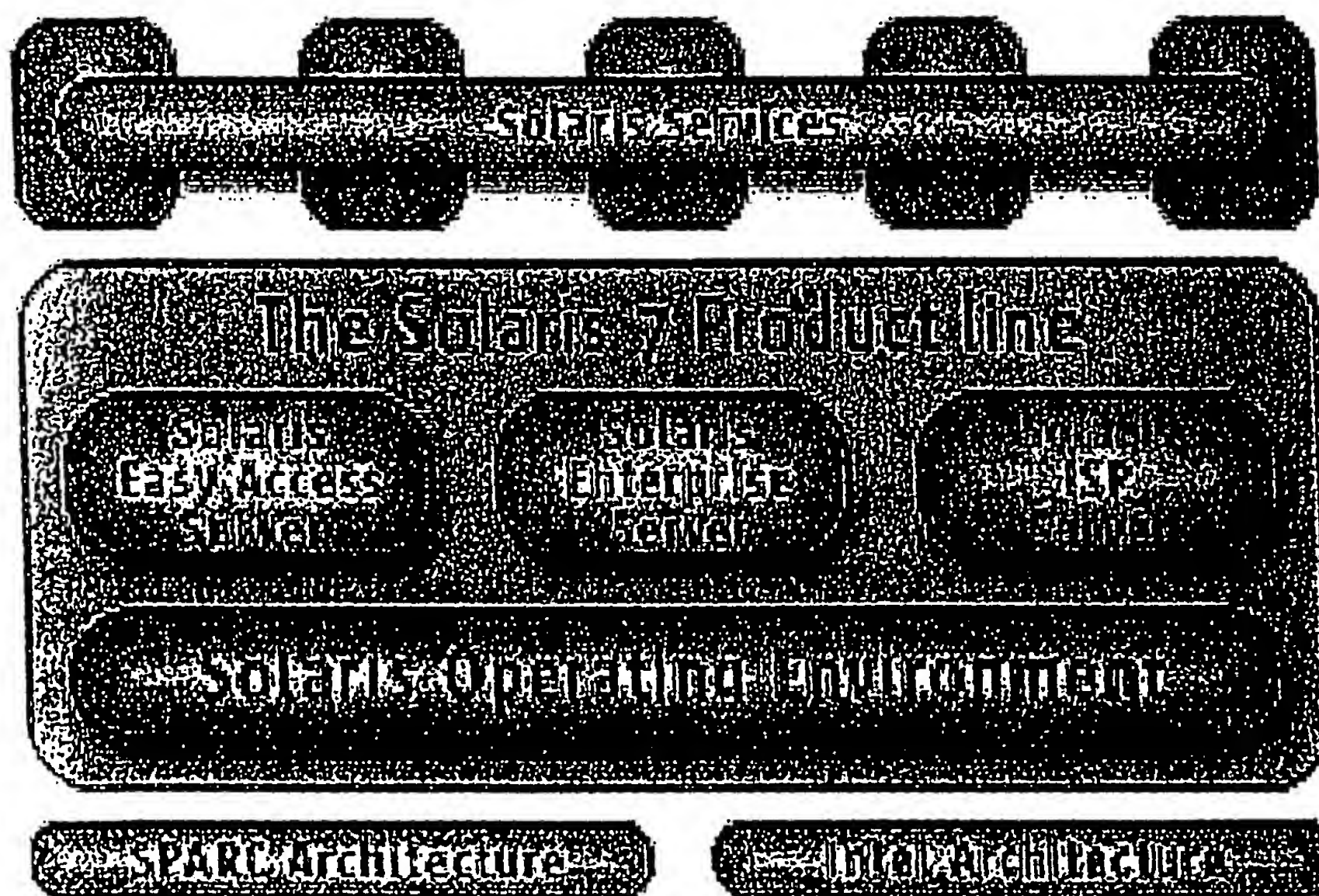


Figure 49
1AN

Development & Testing Tools

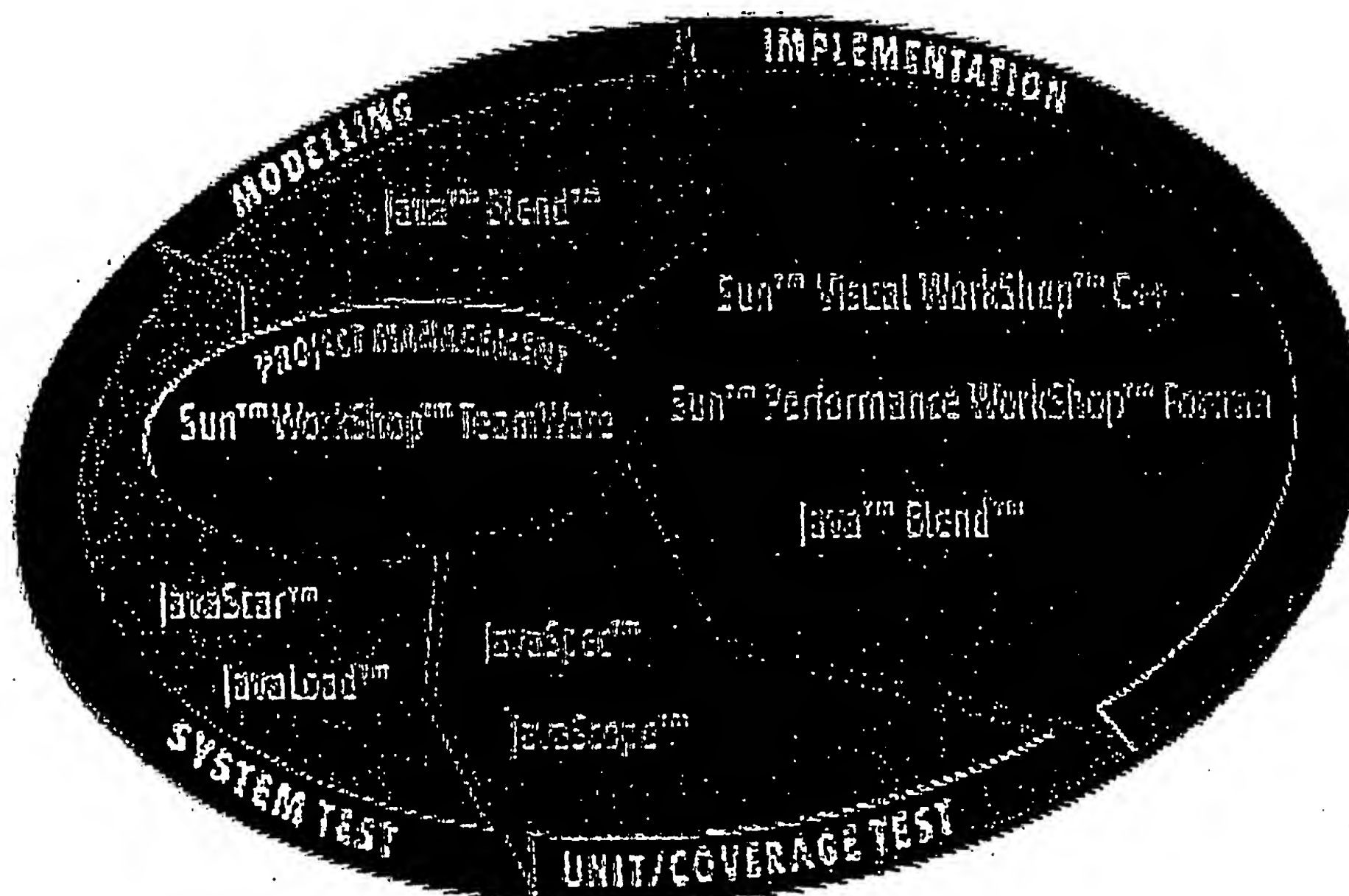


Figure 140

50

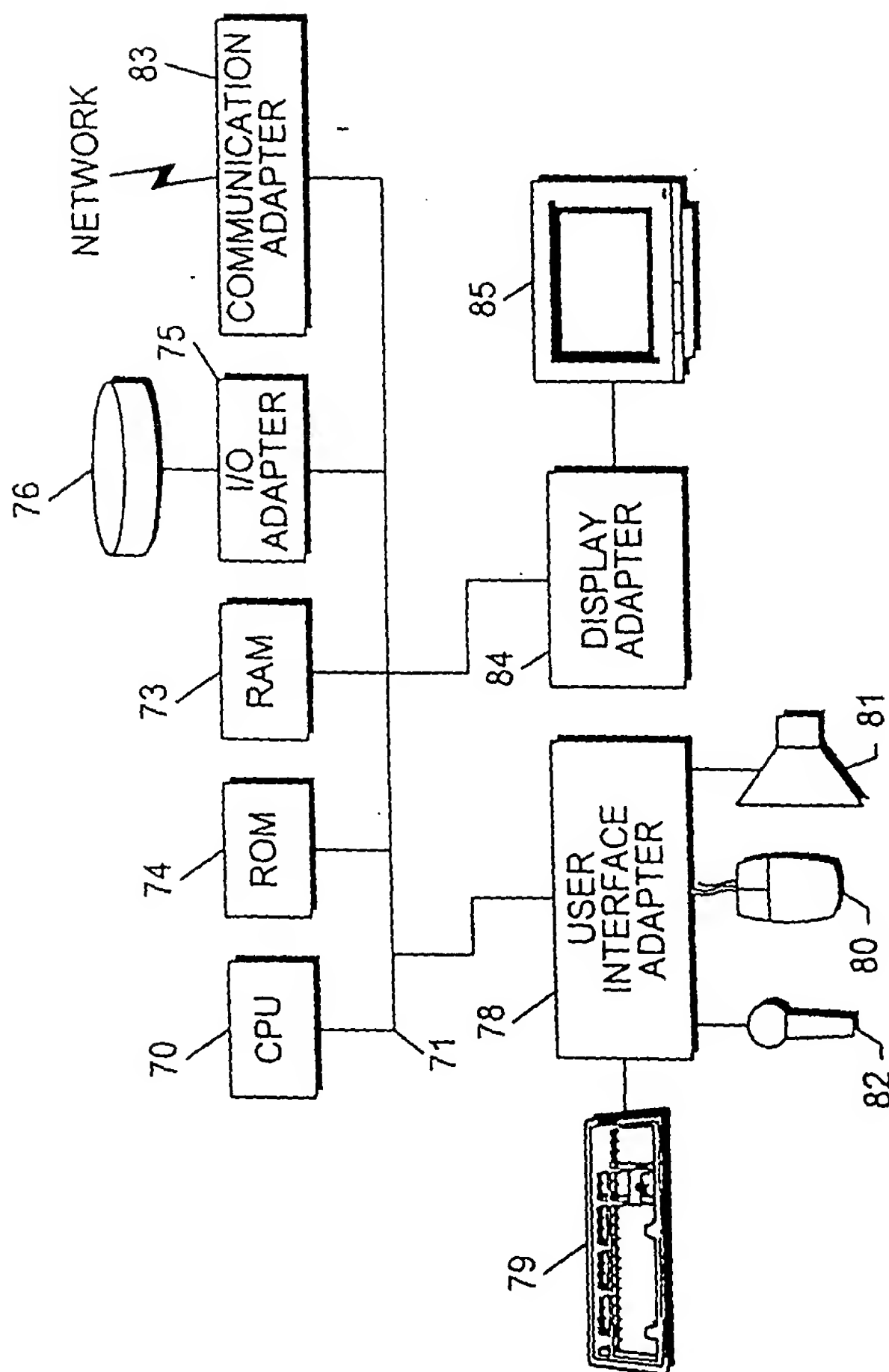


Figure 2A 51

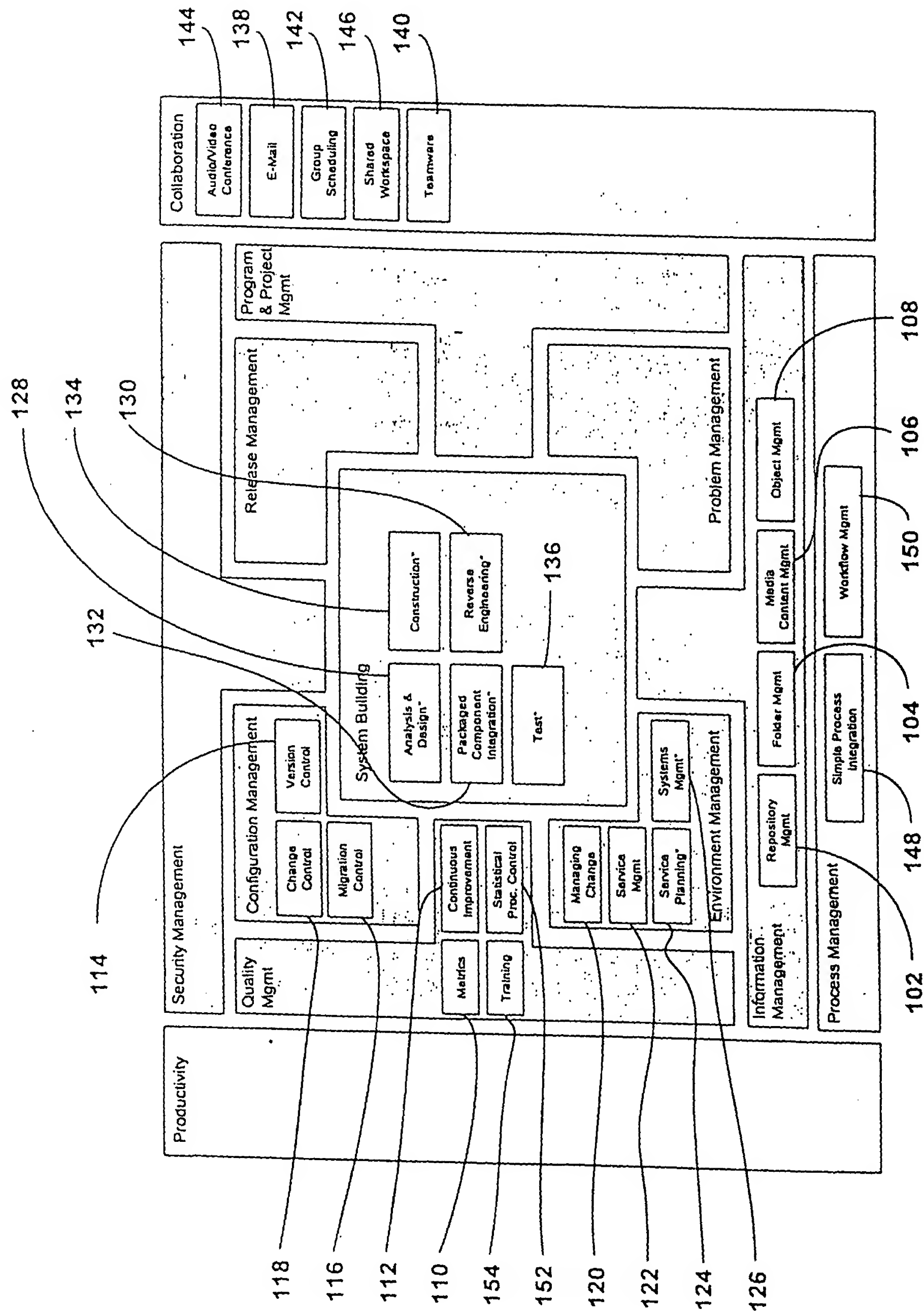


Figure 2B

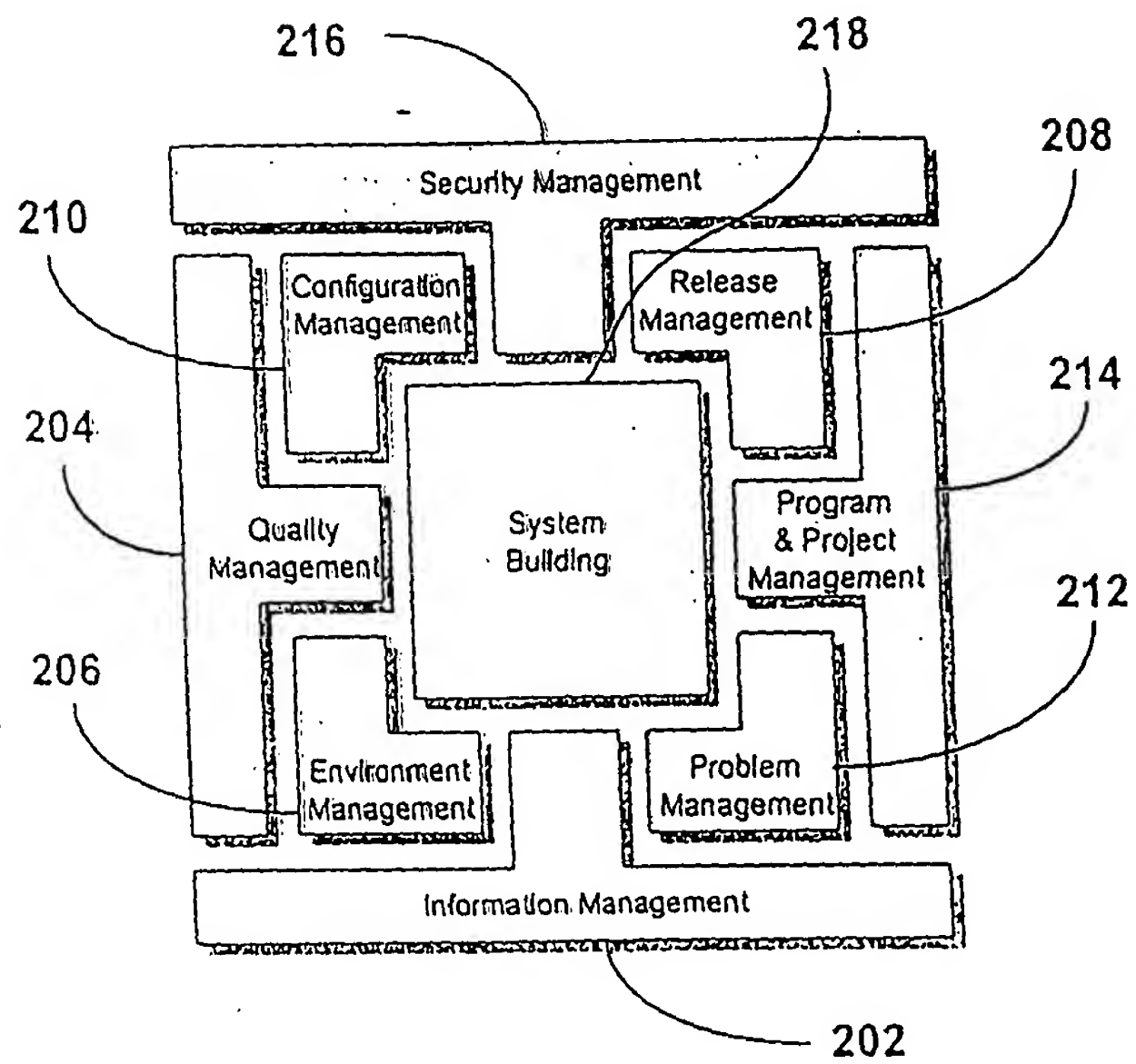


Figure 2C ⁵³

ANNOTATED SHEET SHOWING CHANGES

Inventor: GUHEEN ET AL. Docket No.: 8567.111USC1

Title: BUSINESS ALLIANCE IDENTIFICATION IN A WEB ARCHITECTURE
FRAMEWORK (AS AMENDED HEREIN)

Attorney Name: JEFFREY P. COOK

Phone No.: 612.332.5300

Sheet 54 of 97

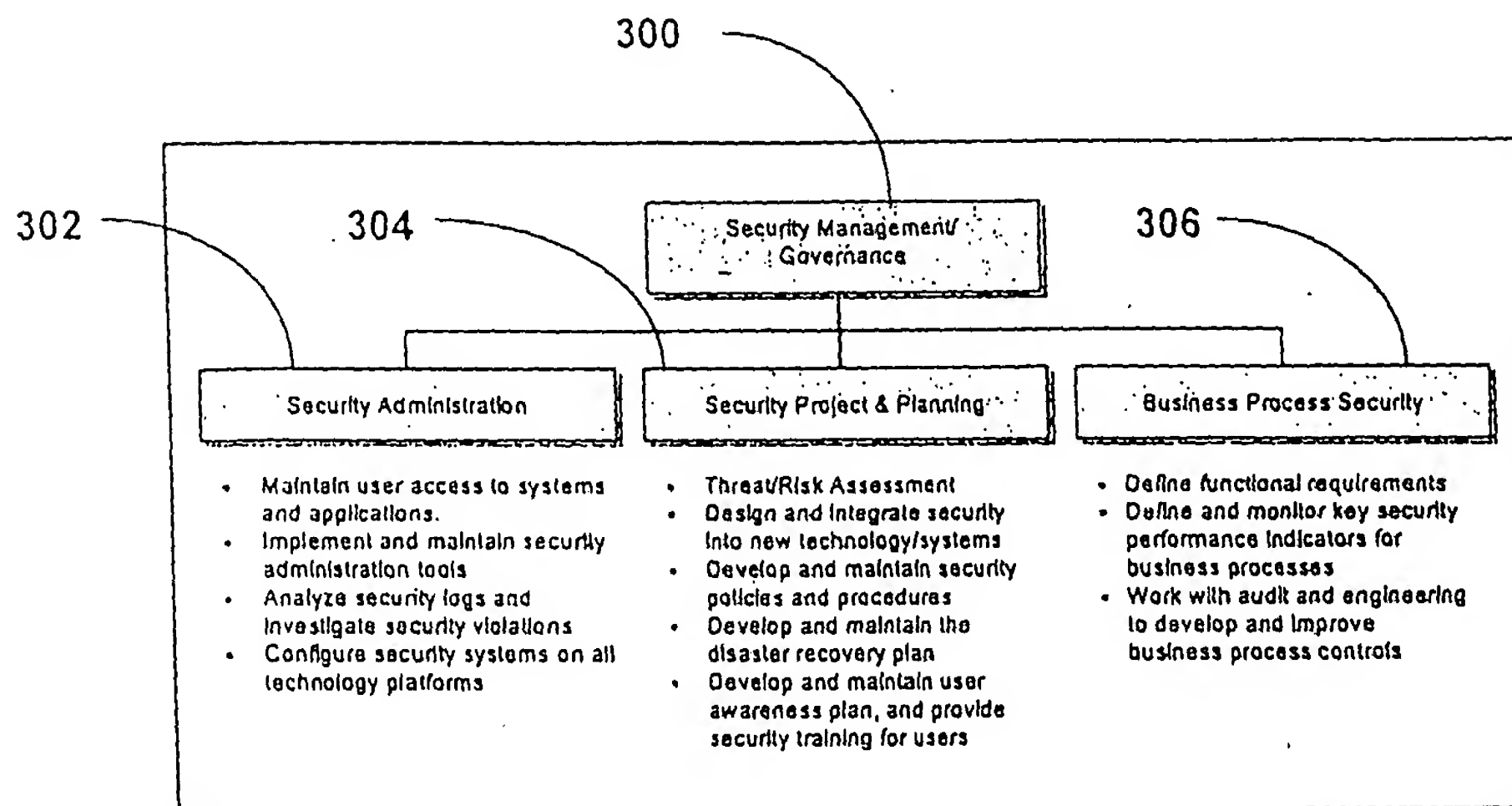


Figure 54

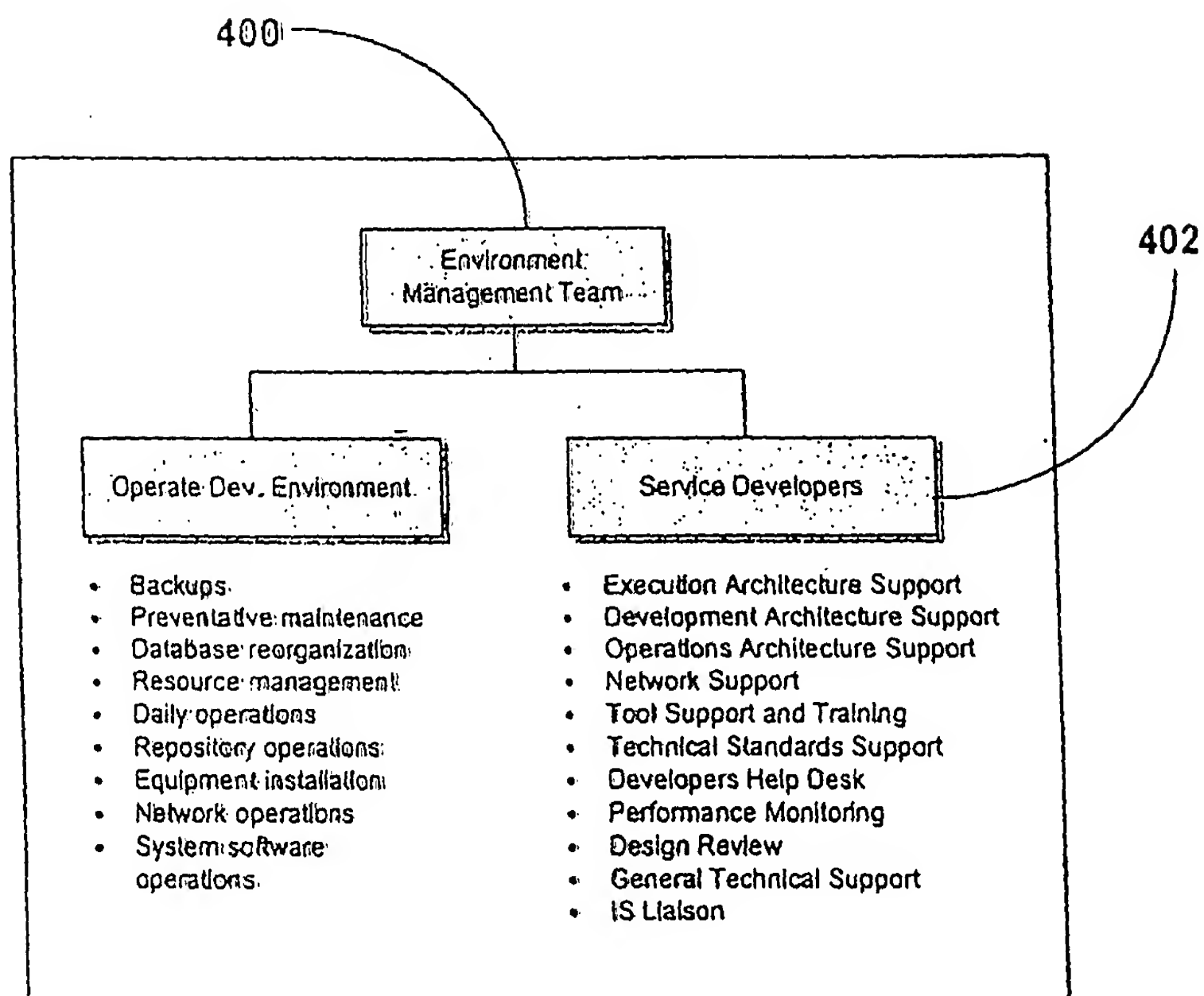


Figure 55

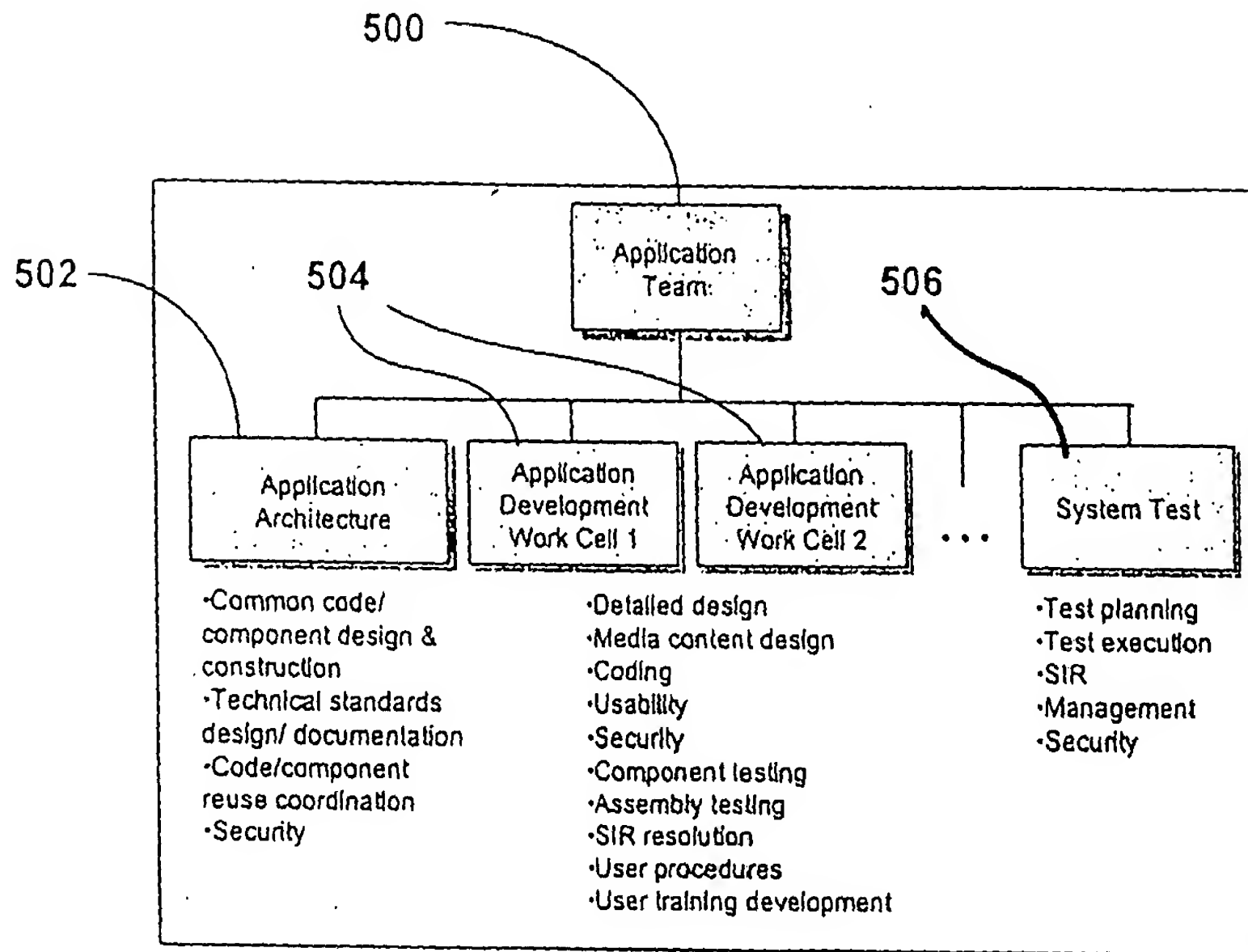


Figure 56

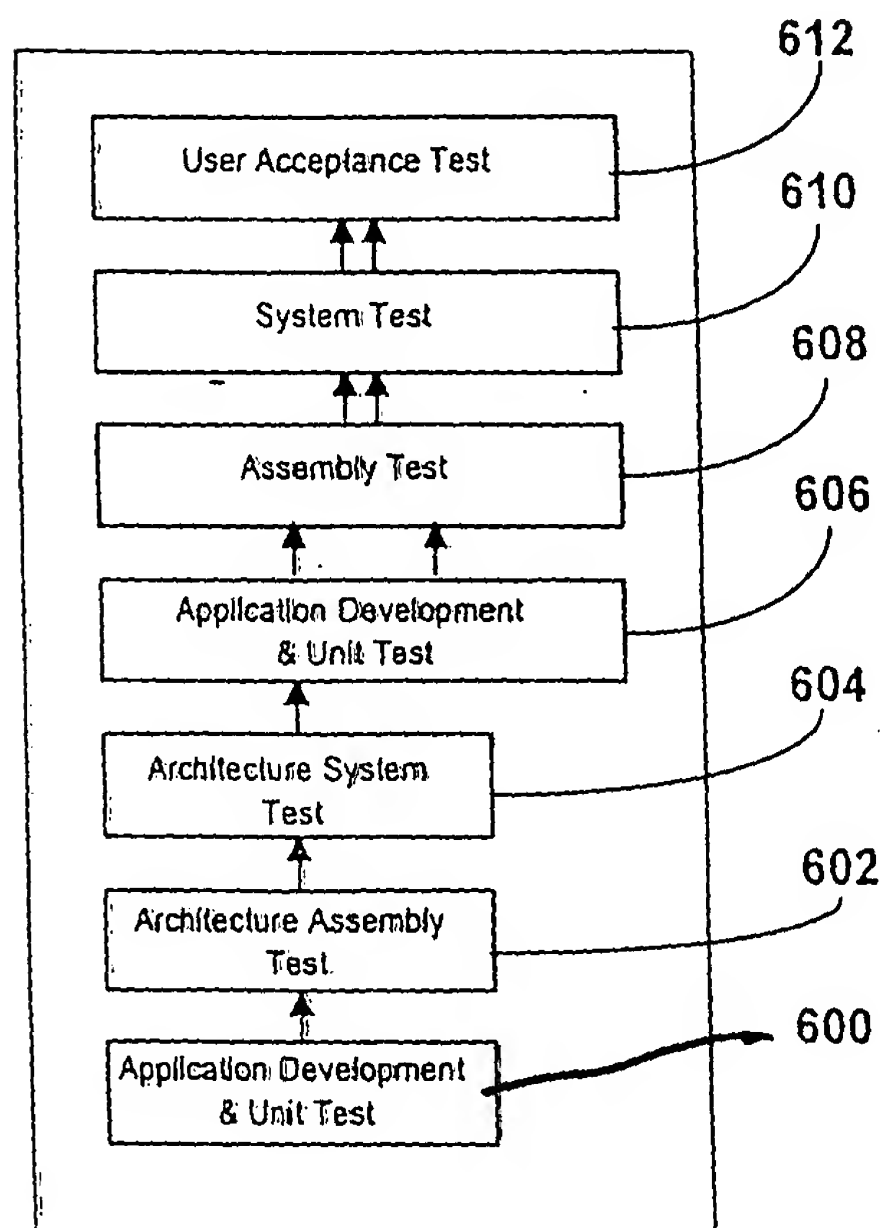


Figure 57

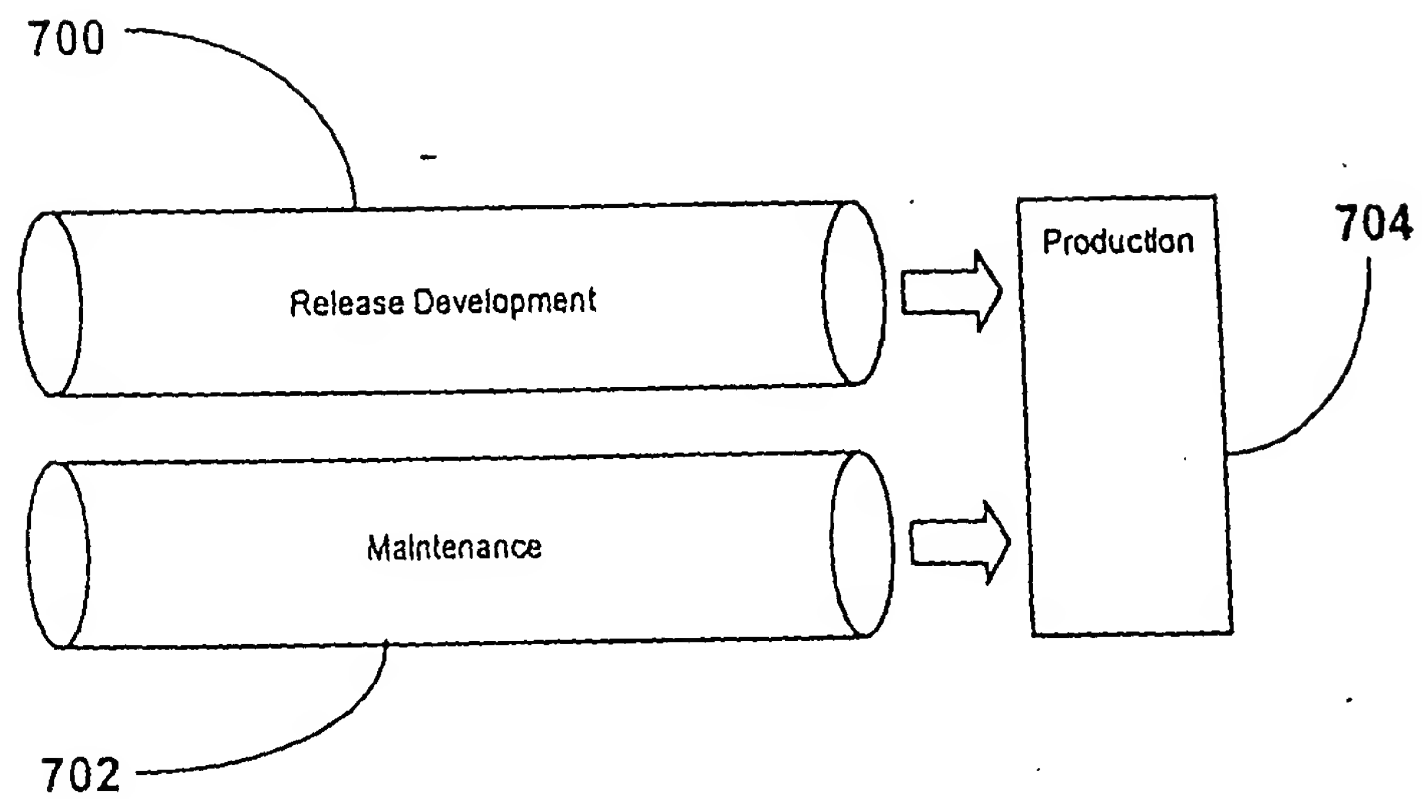


Figure 58

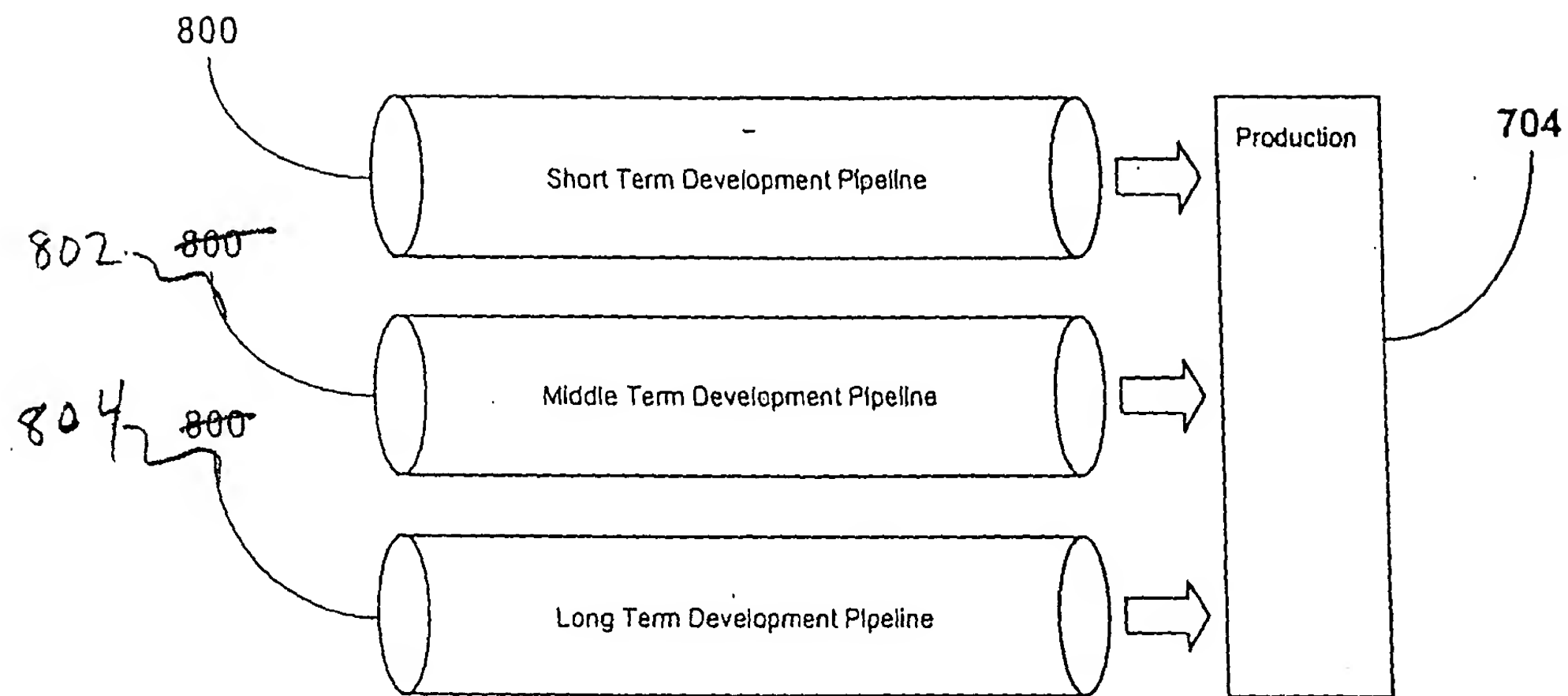


Figure 8 59

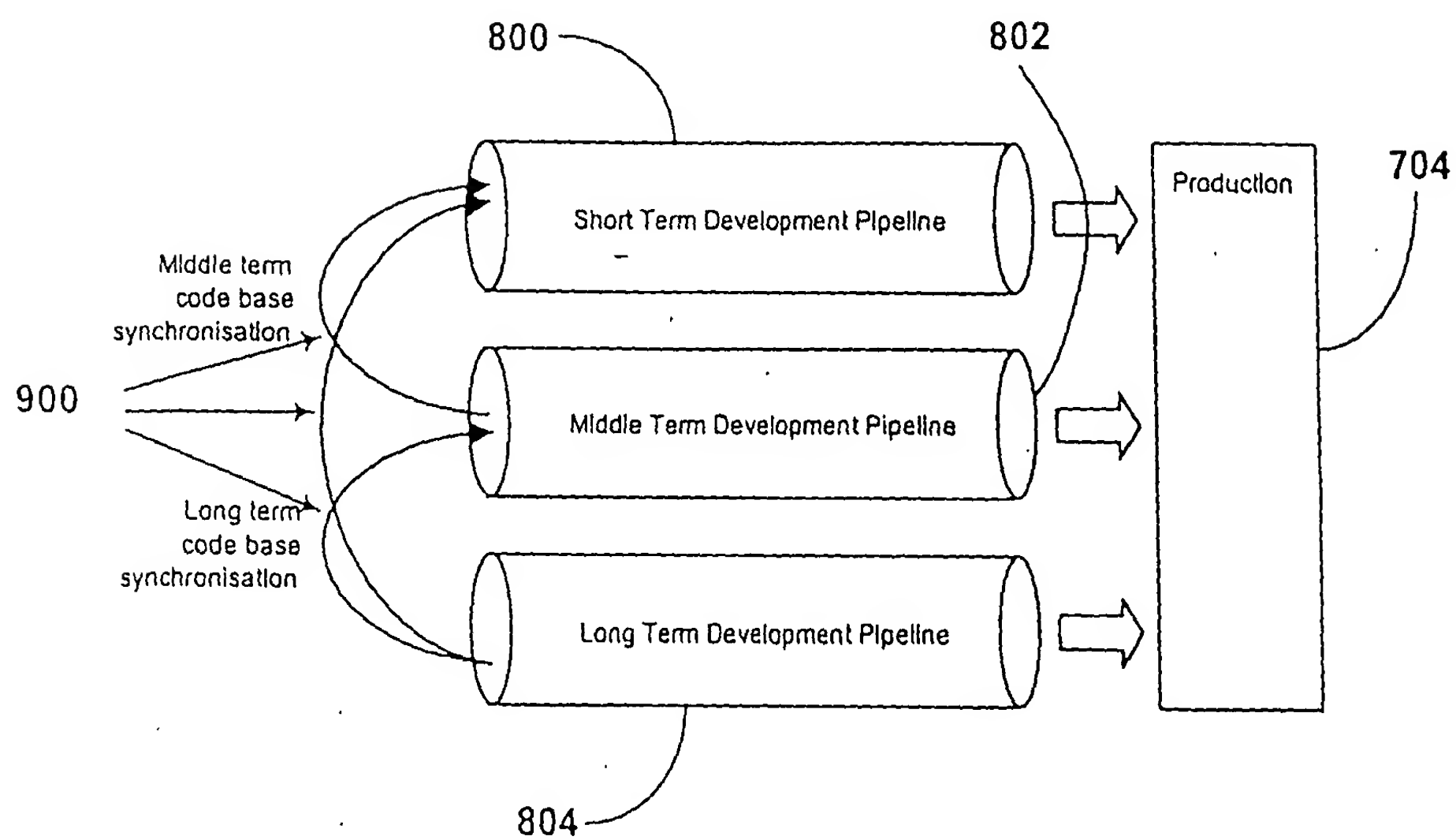


Figure 9

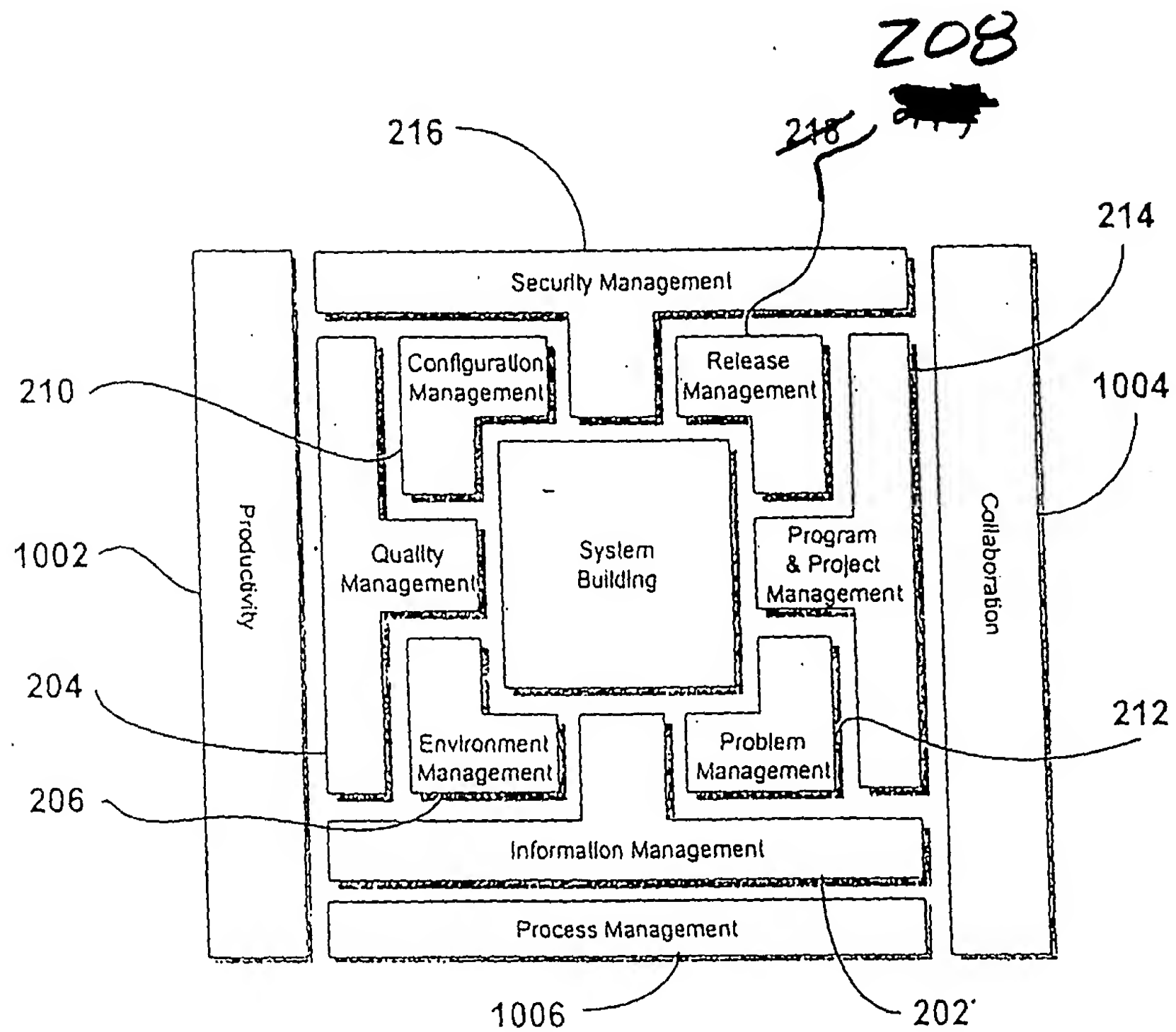


Figure 10 ⁶¹

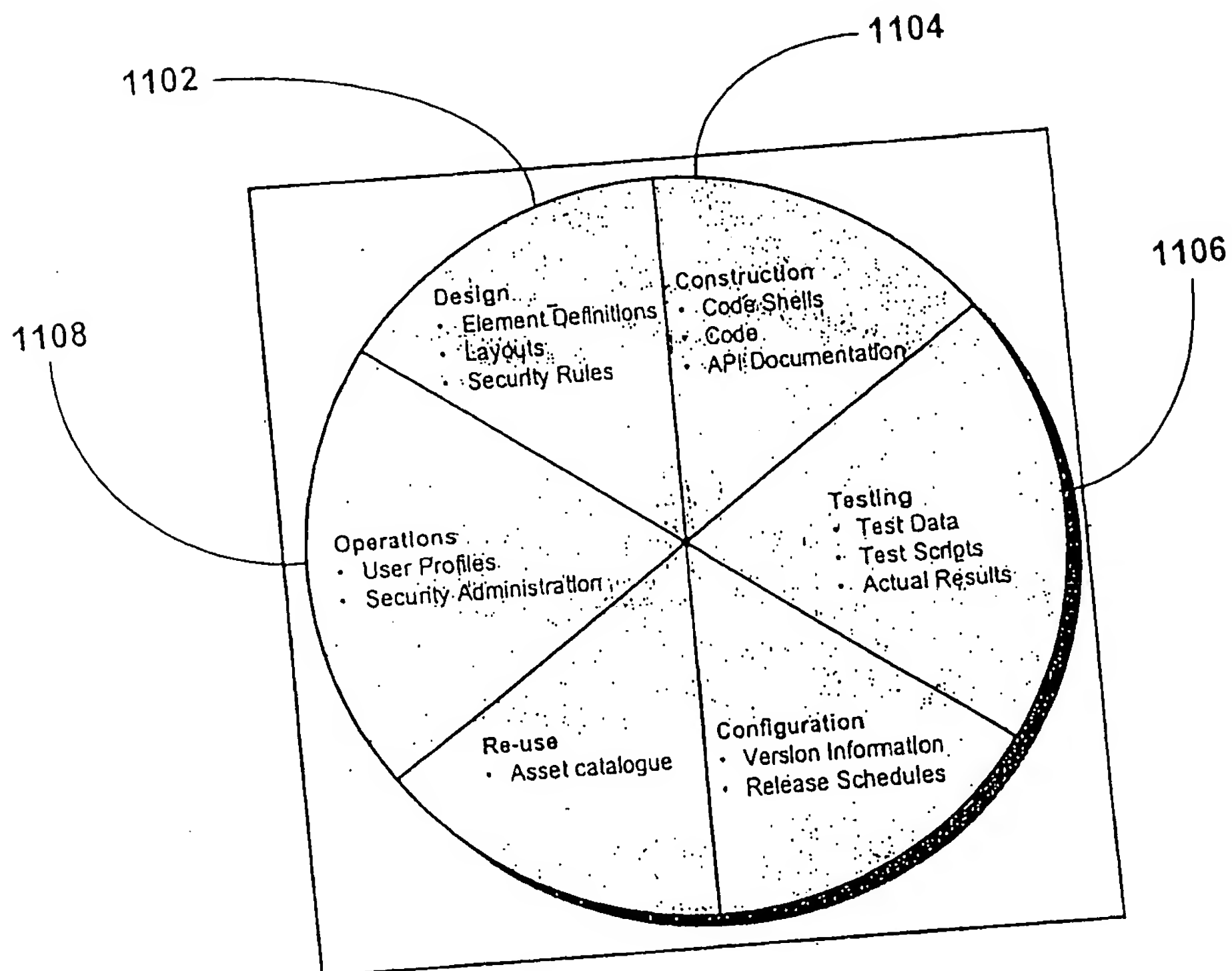


Figure 11 ⁶²

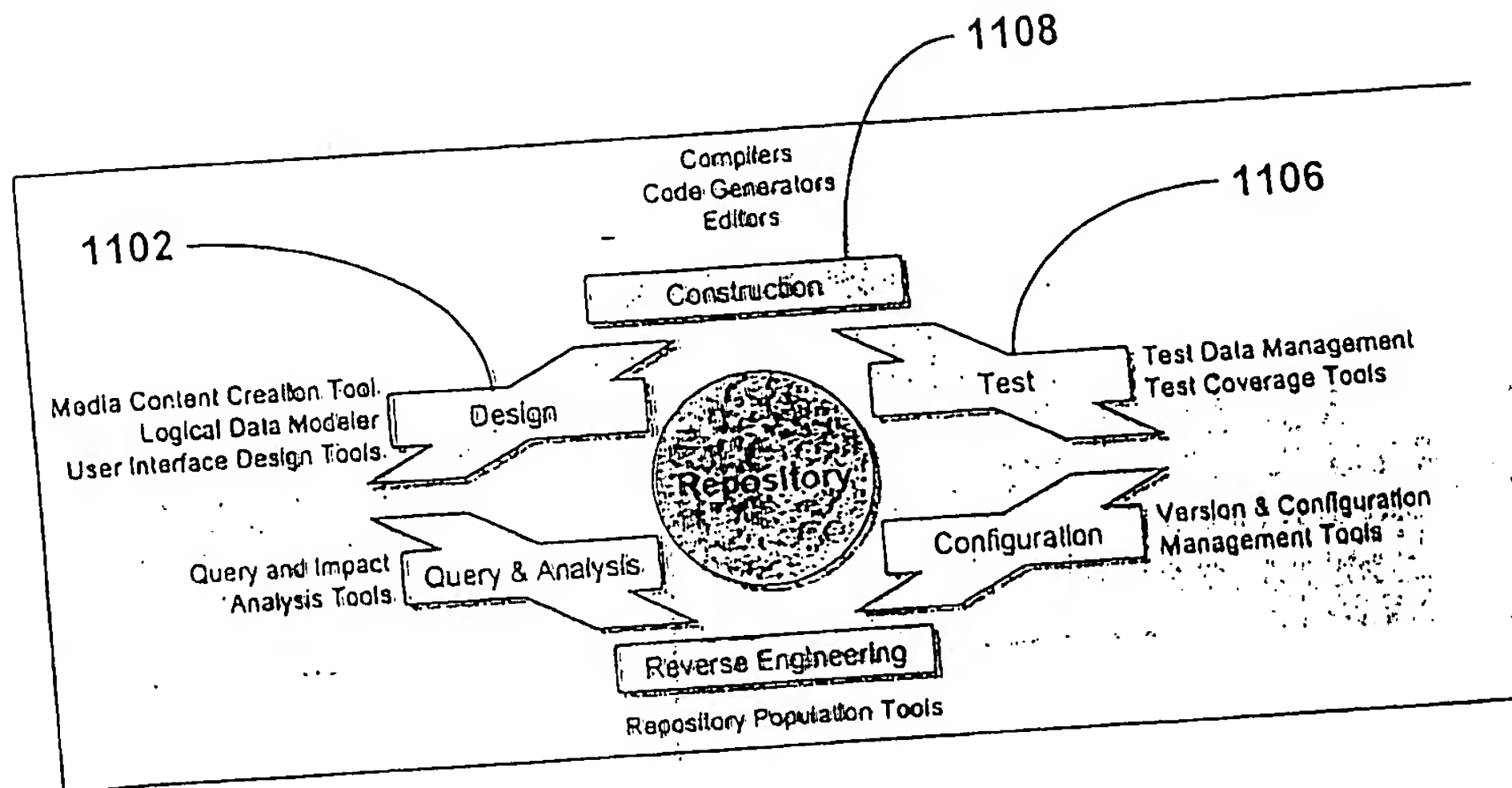
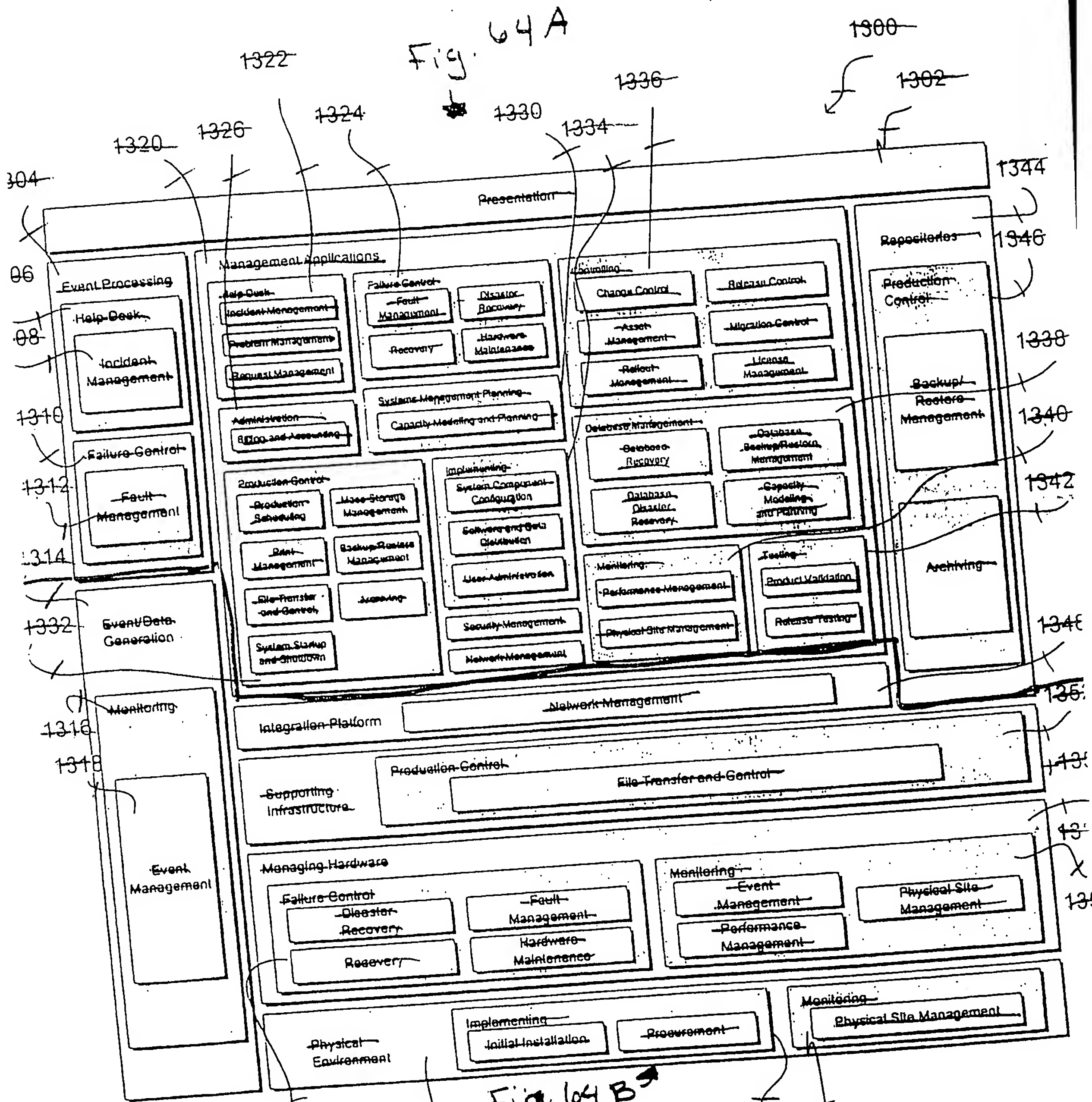
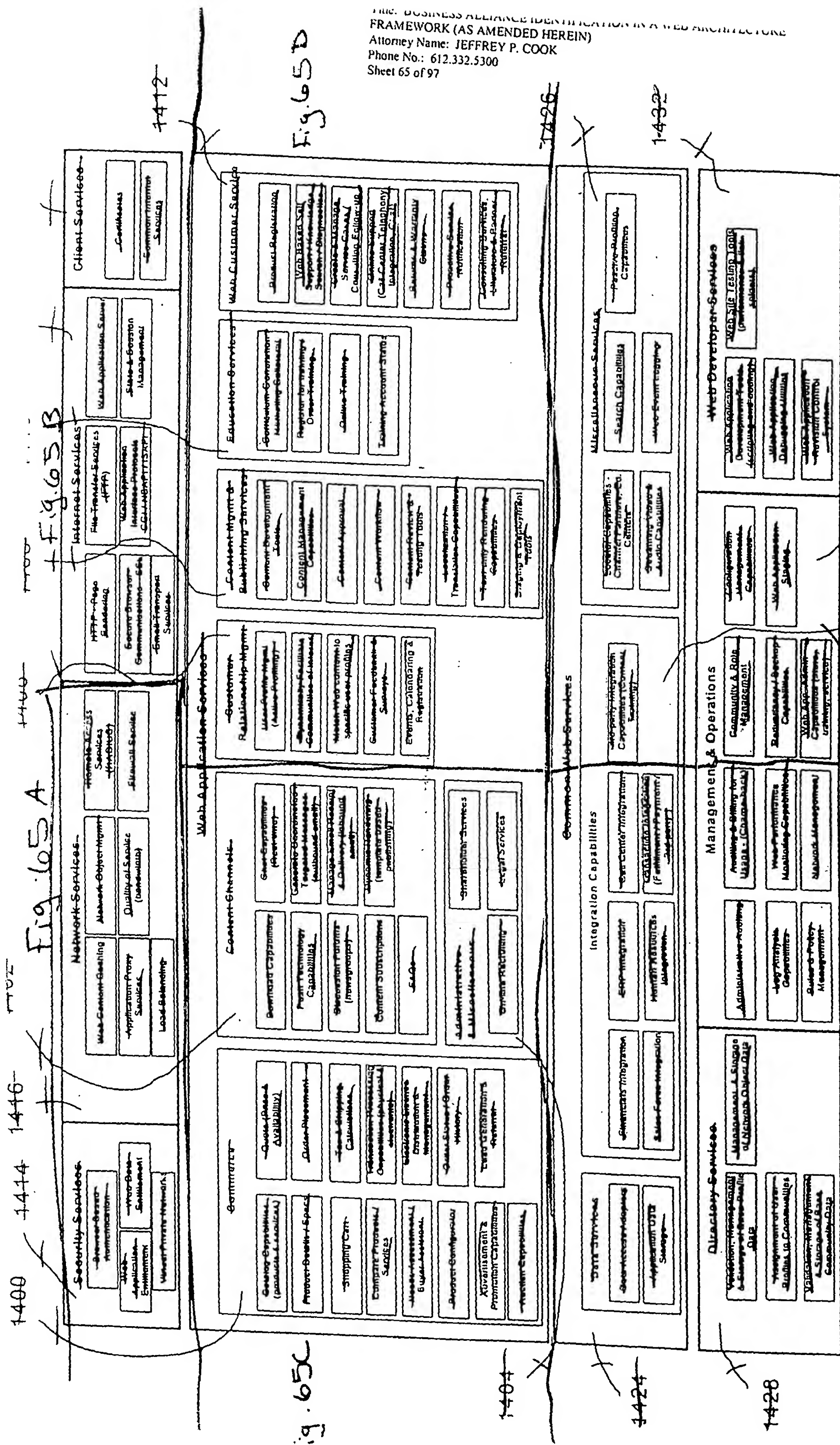


Figure 12 ⁶³





~~1430~~ F. g. 65 F

Figure 14 ~~1422~~

Fig. 95 F

ANNOTATED SHEET SHOWING CHANGES

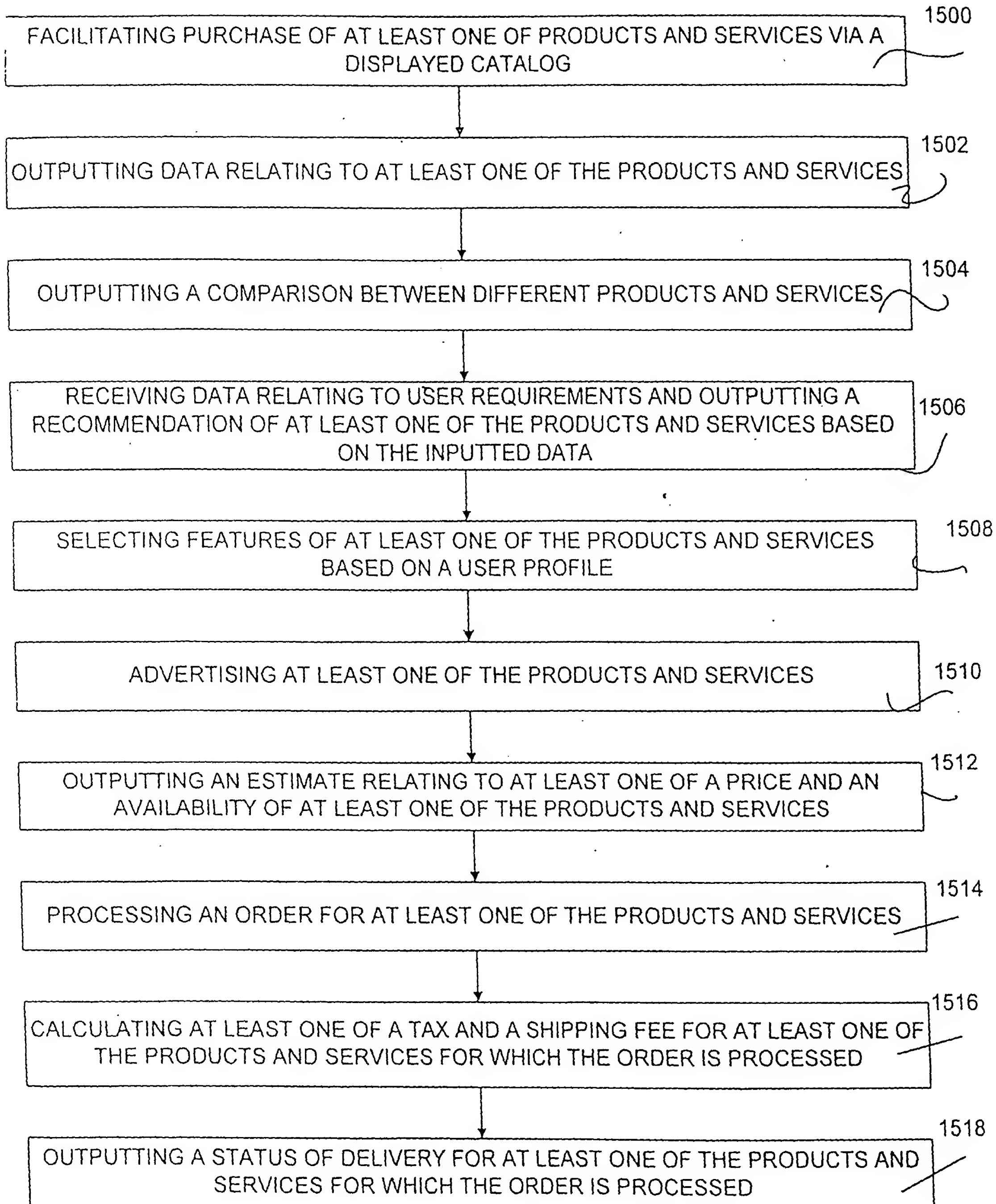
Inventor: GUHEEN ET AL. Docket No.: 8567.111USC1

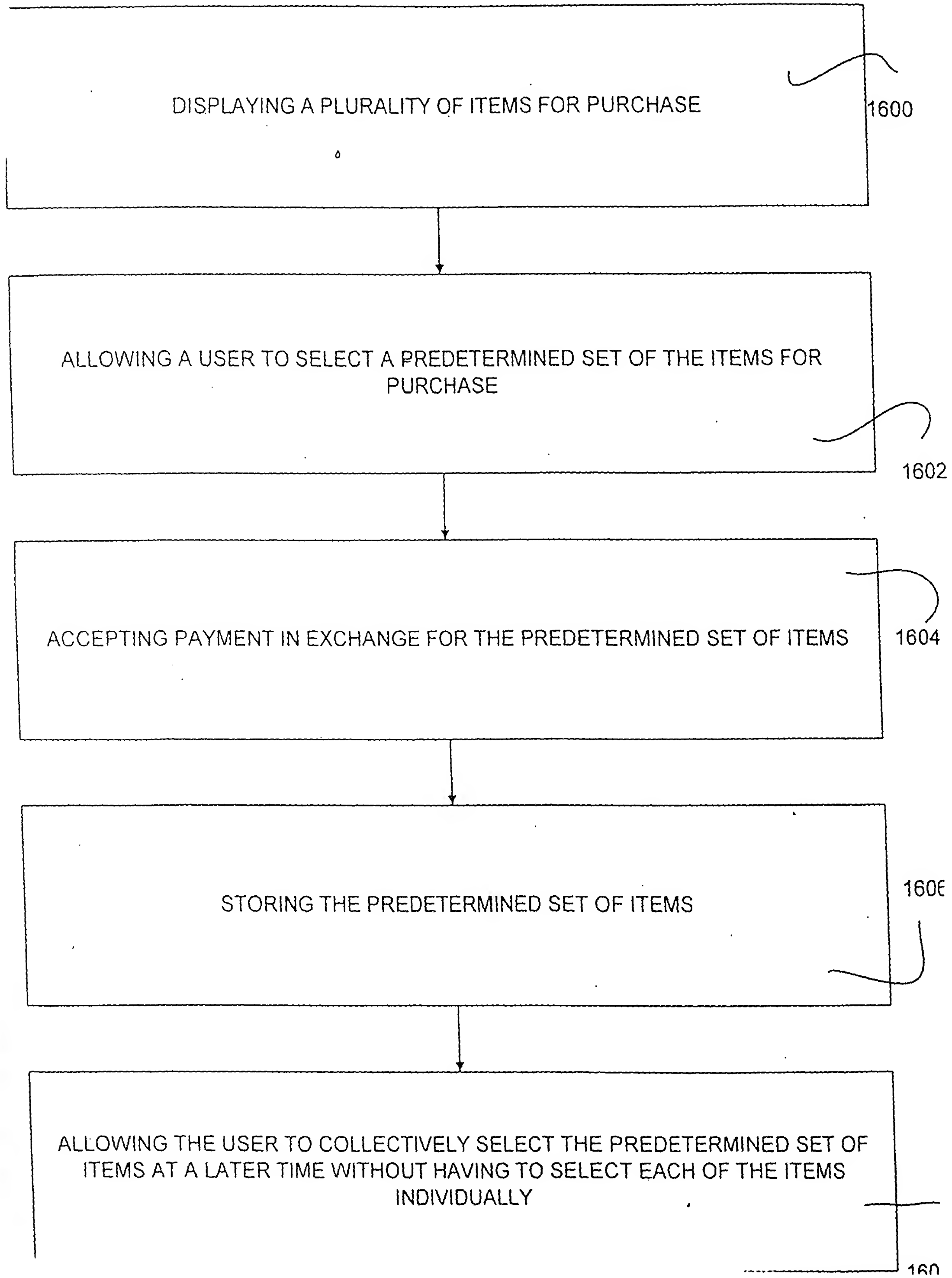
Title: BUSINESS ALLIANCE IDENTIFICATION IN A WEB ARCHITECTURE
FRAMEWORK (AS AMENDED HEREIN)

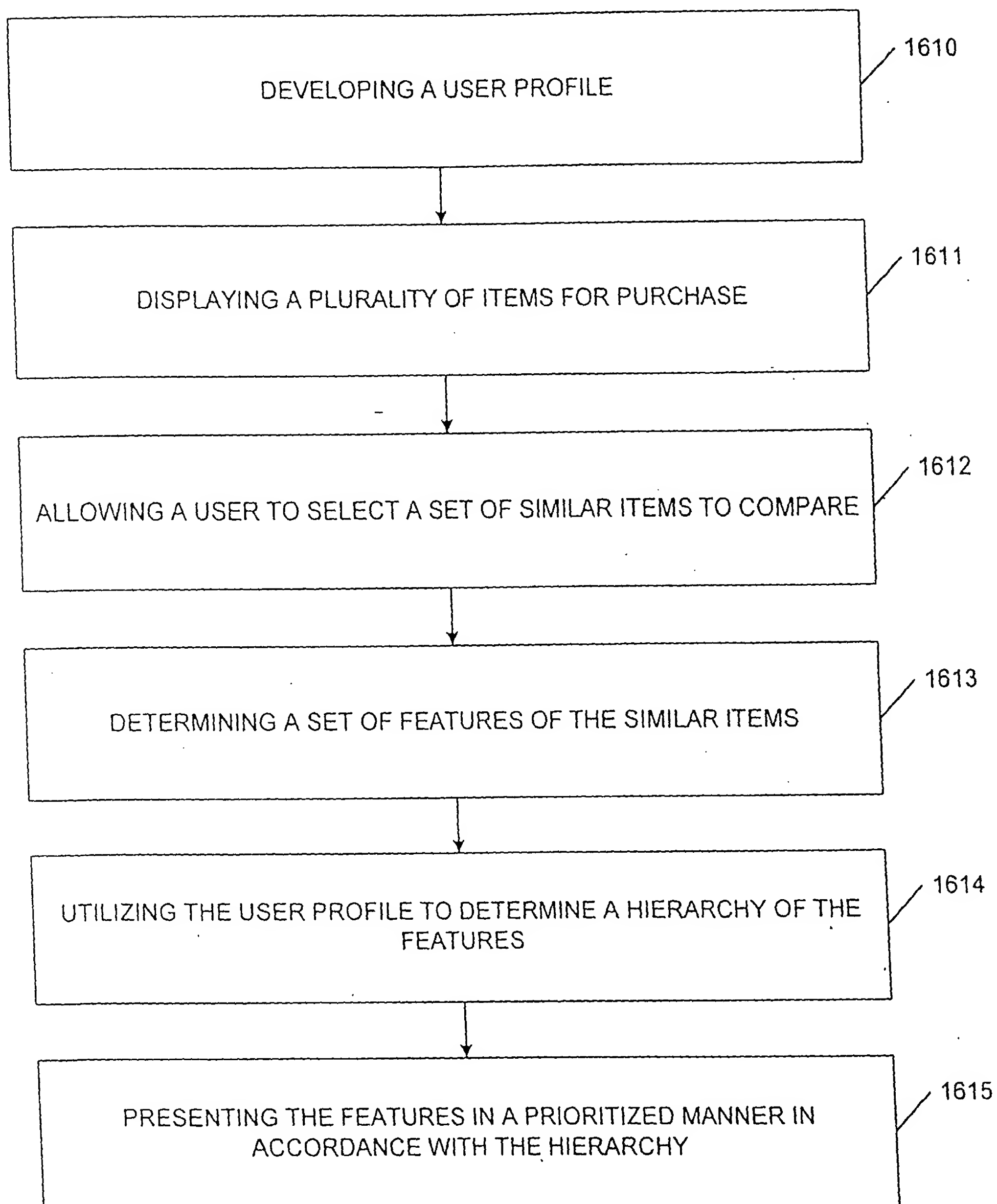
Attorney Name: JEFFREY P. COOK

Phone No.: 612.332.5300

Sheet 66 of 97







1504

Figure 16A

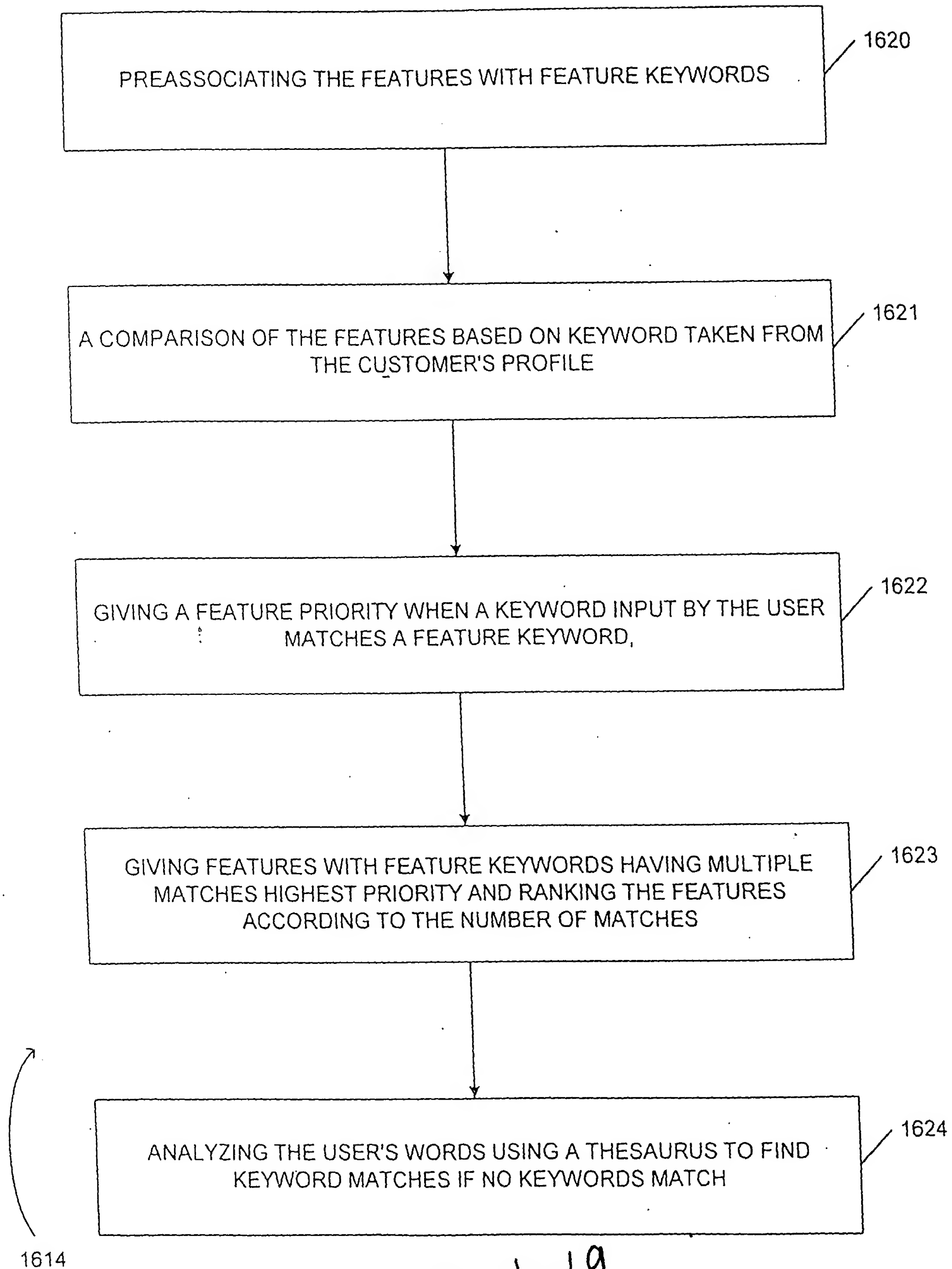
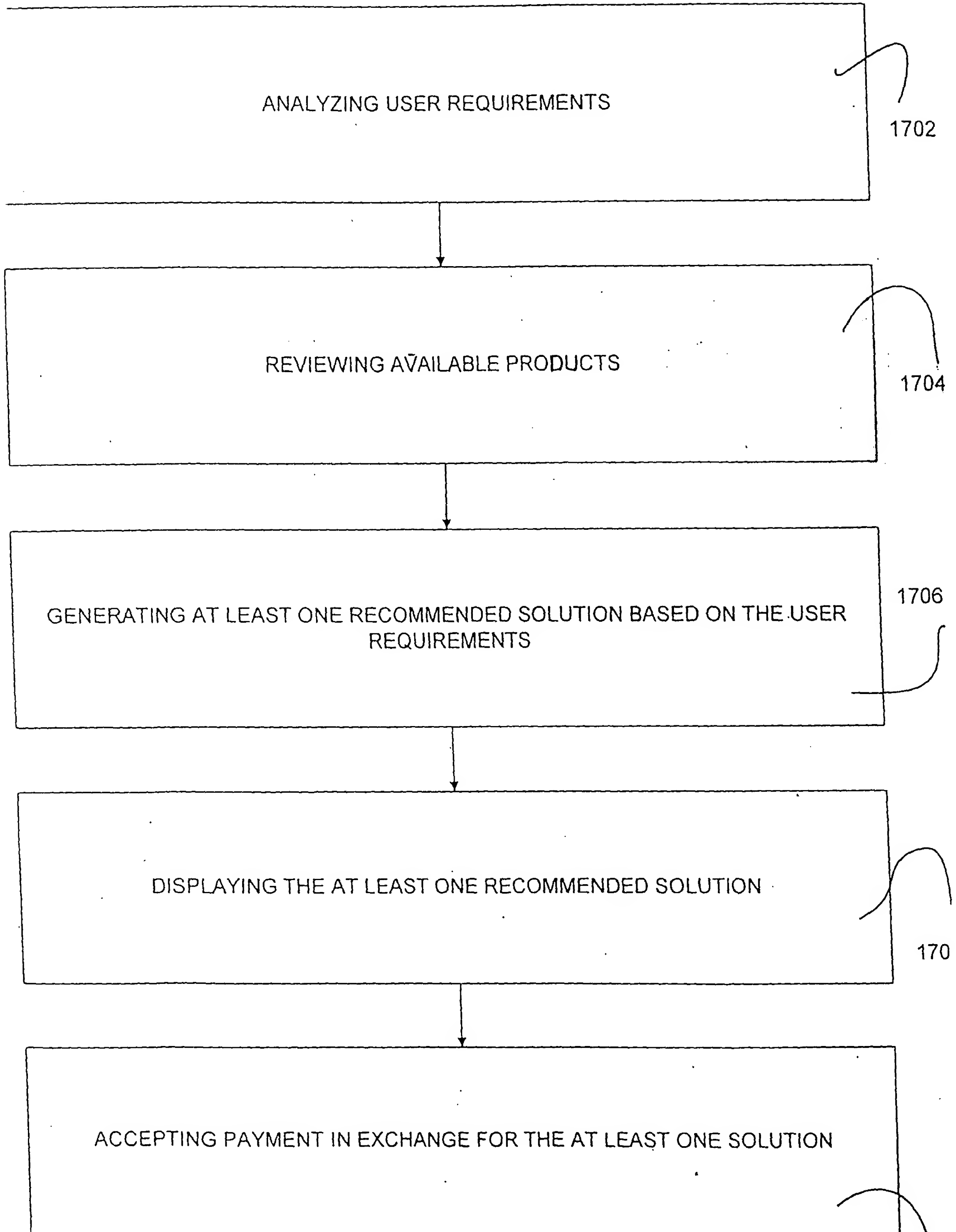


Figure 16B 69



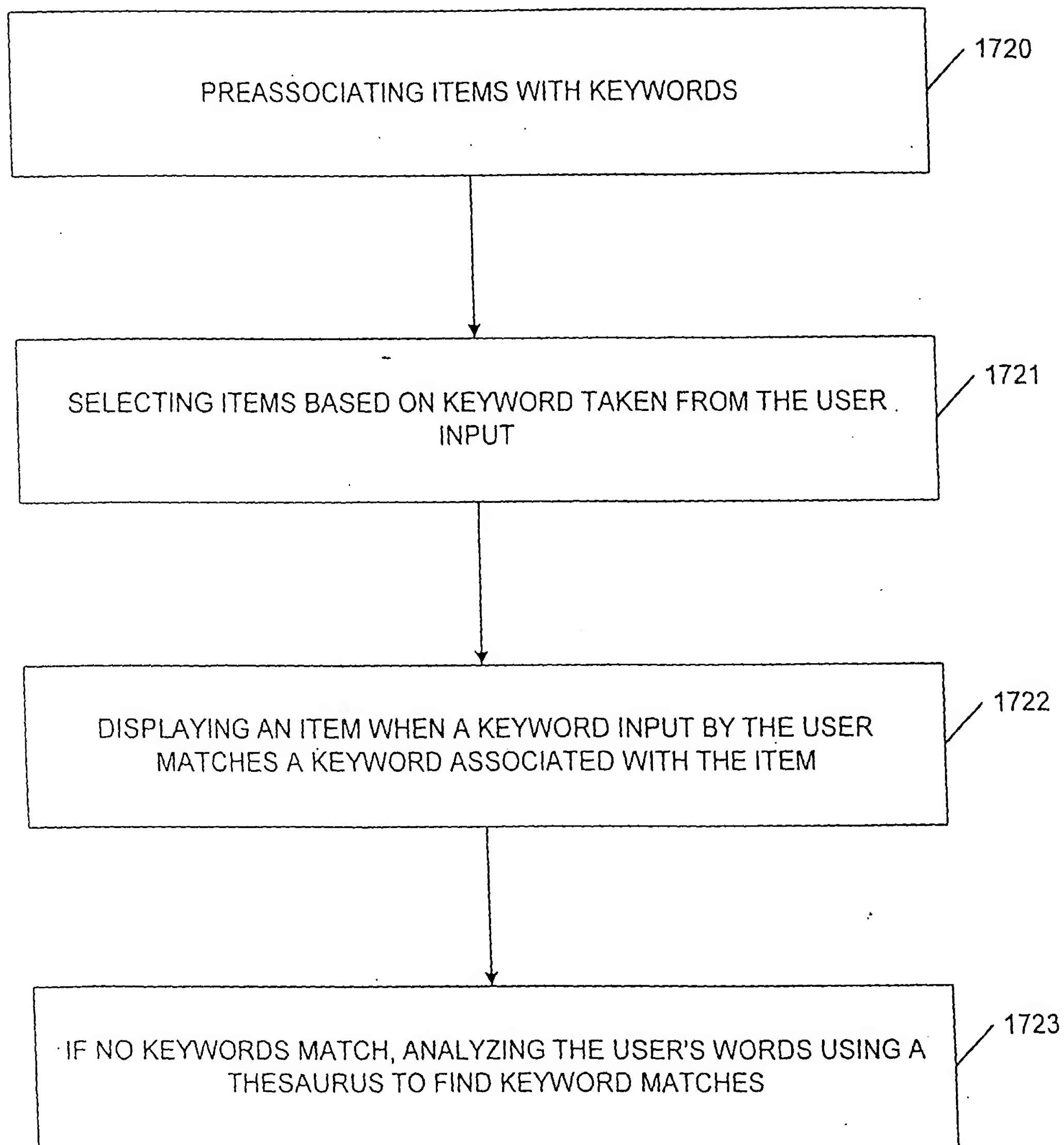
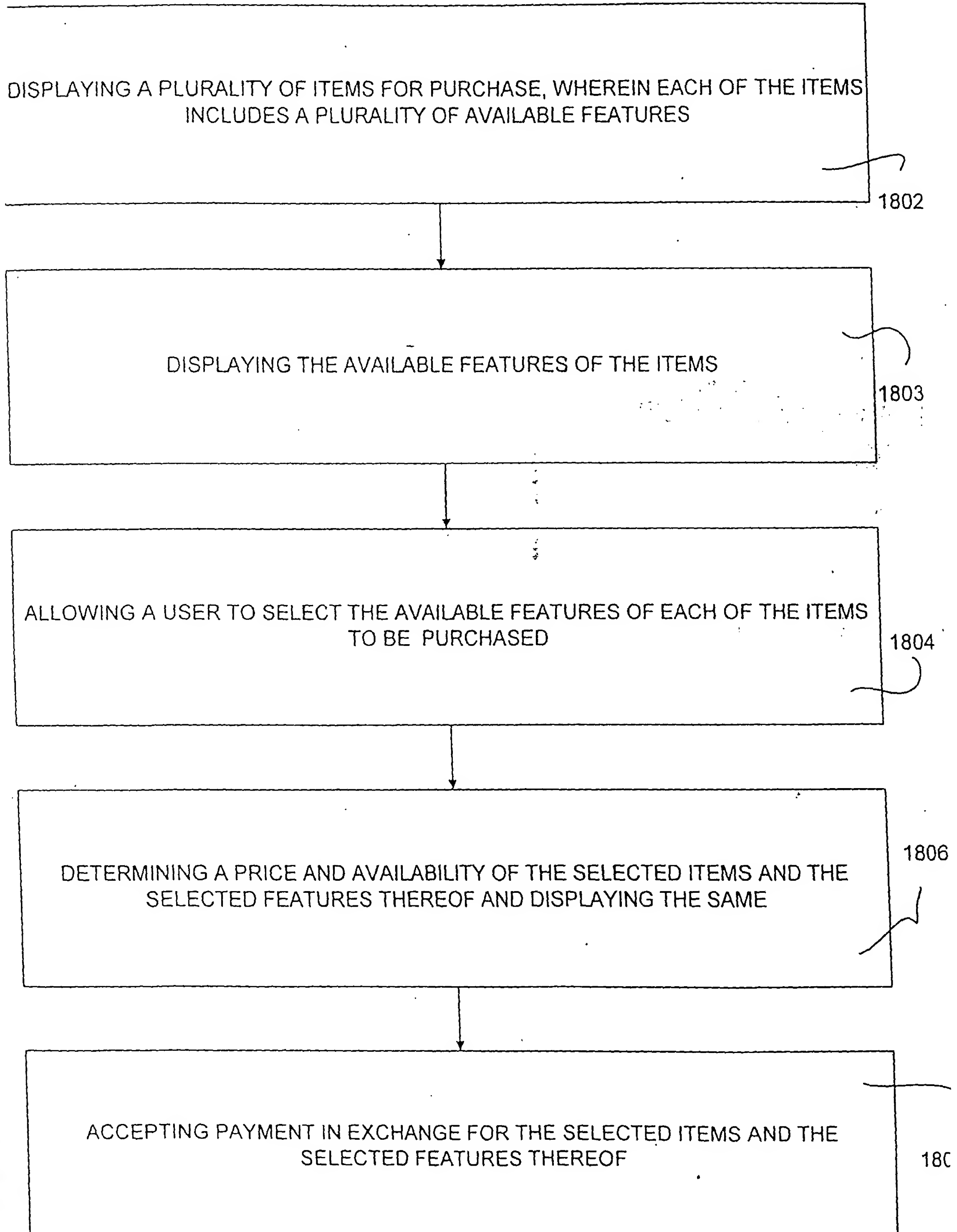
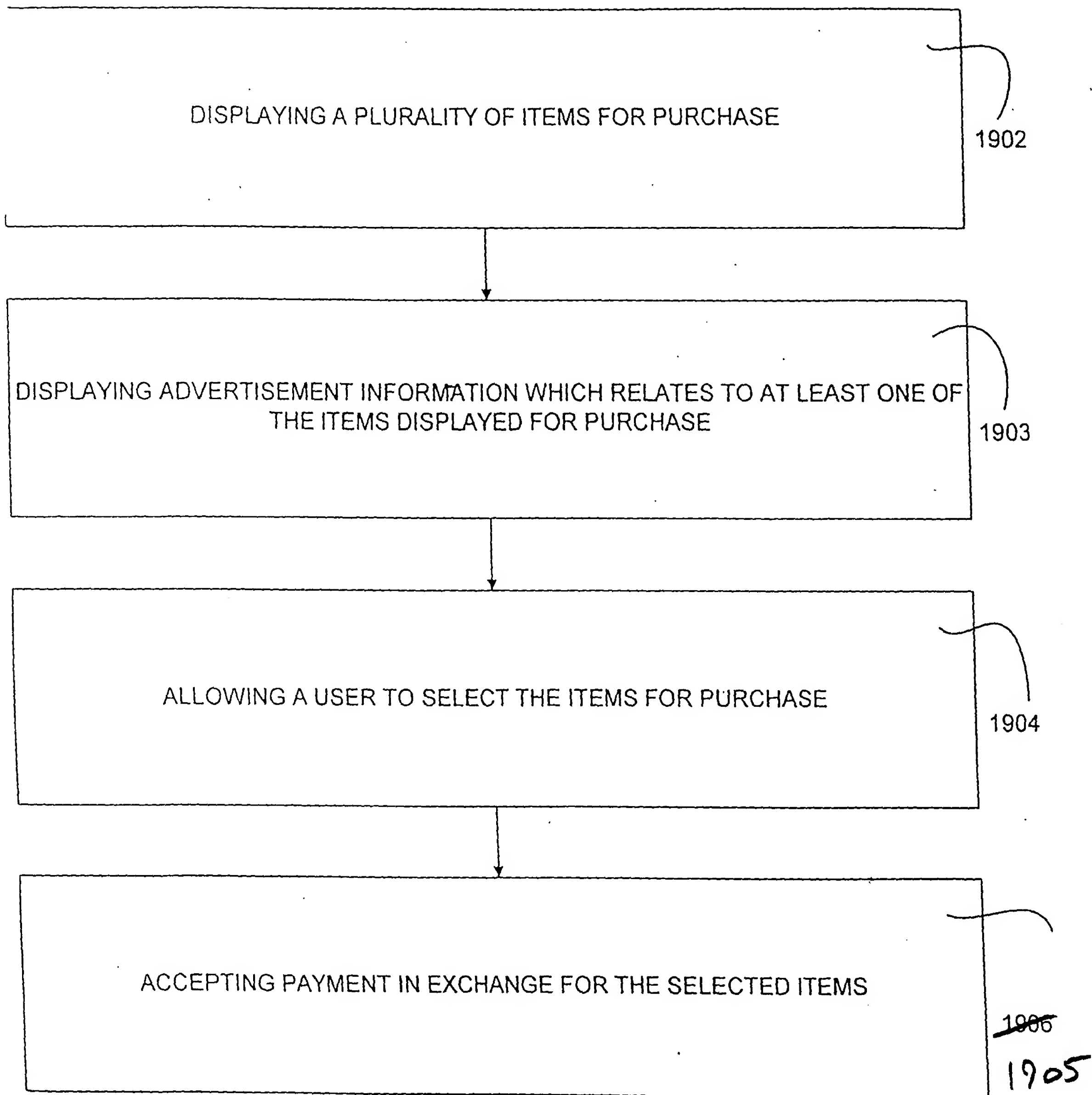
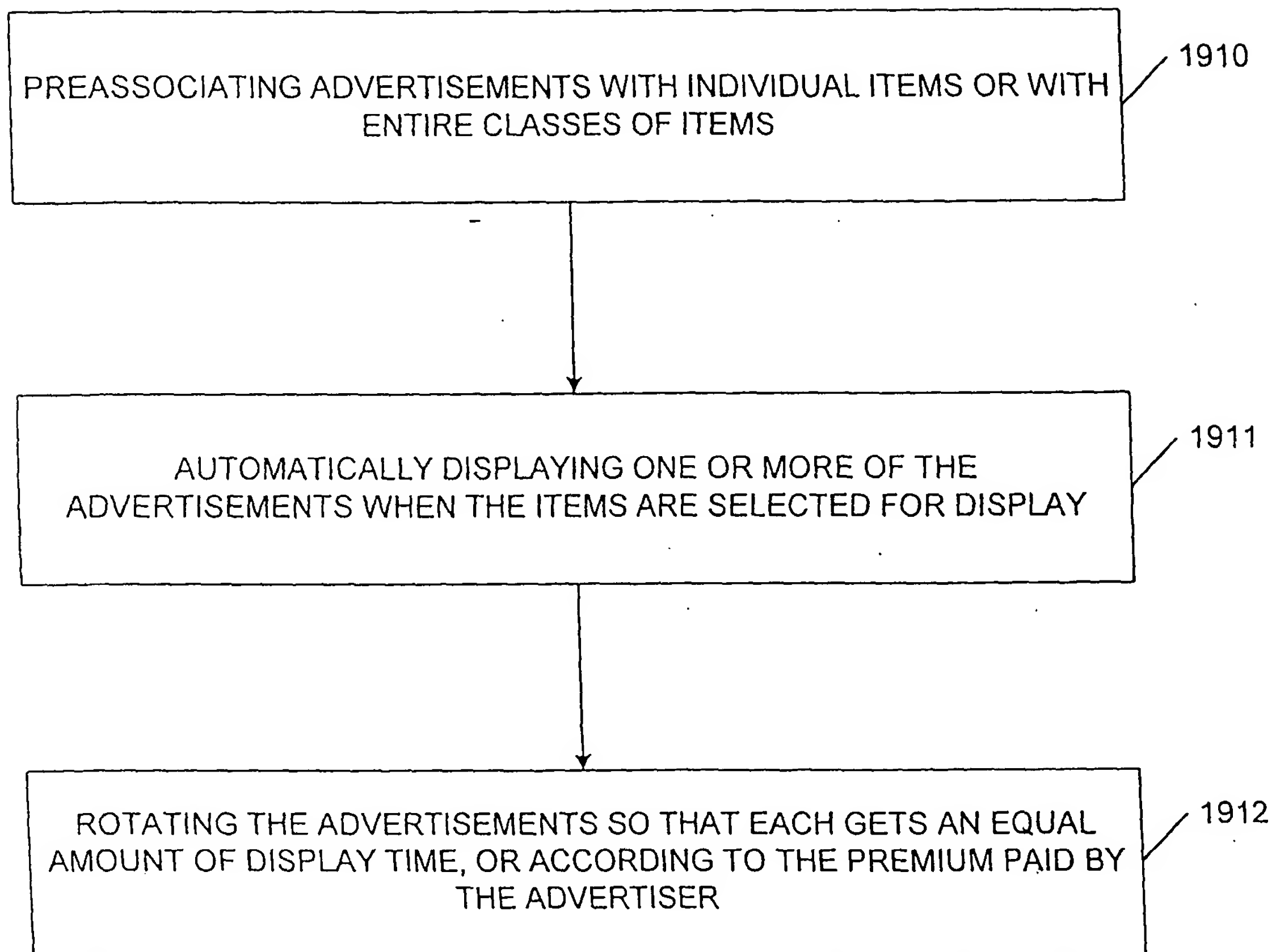


Figure 17A

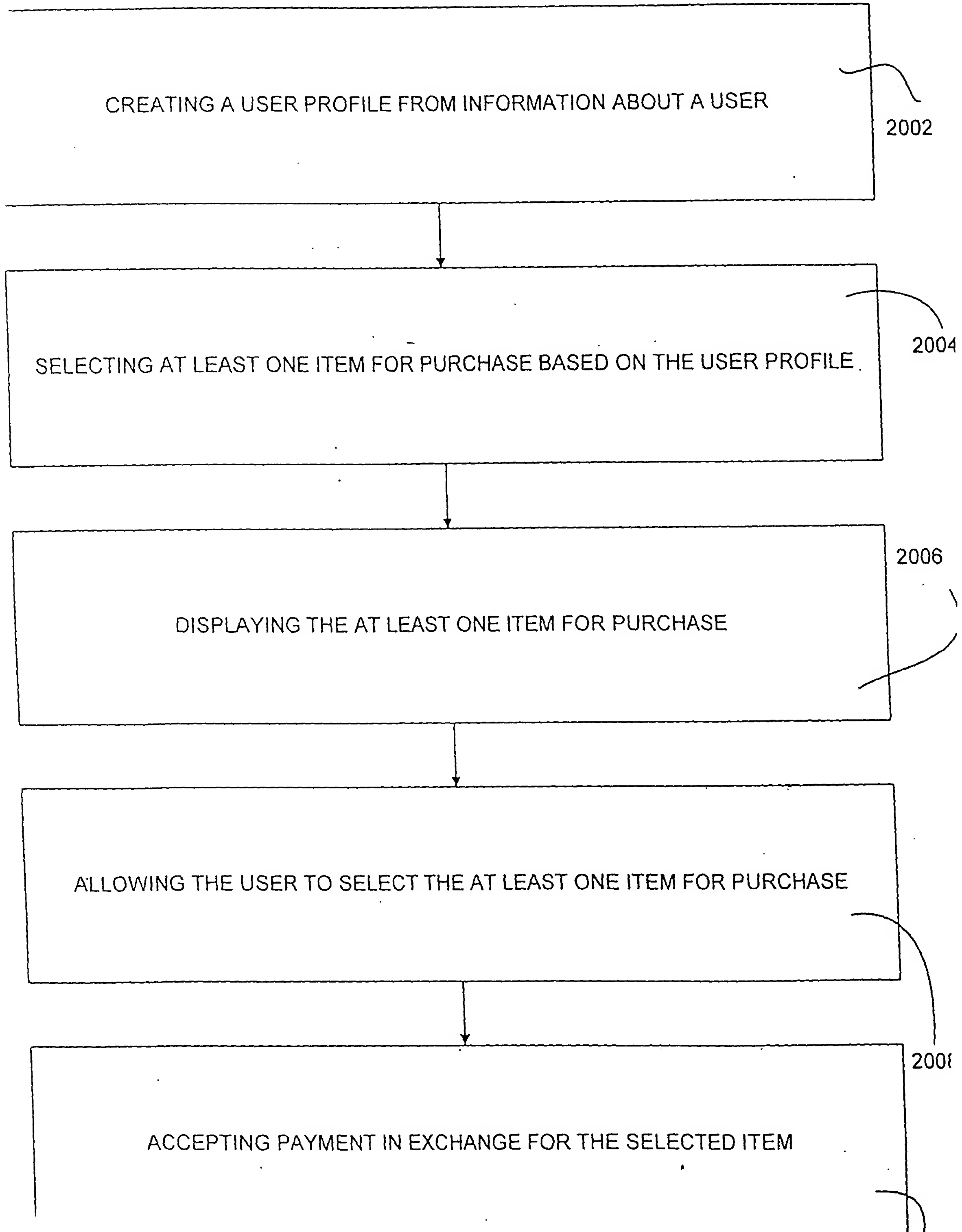


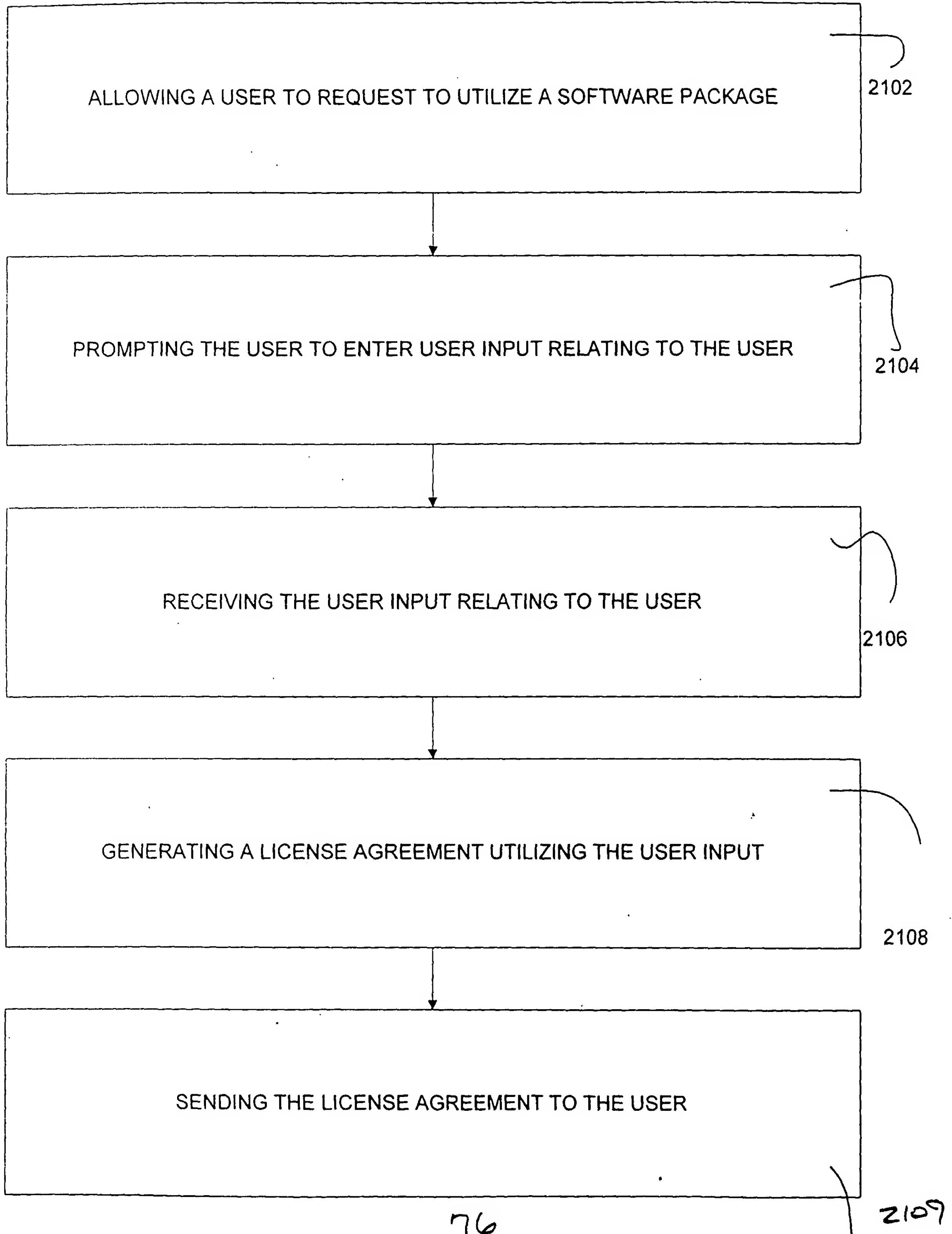


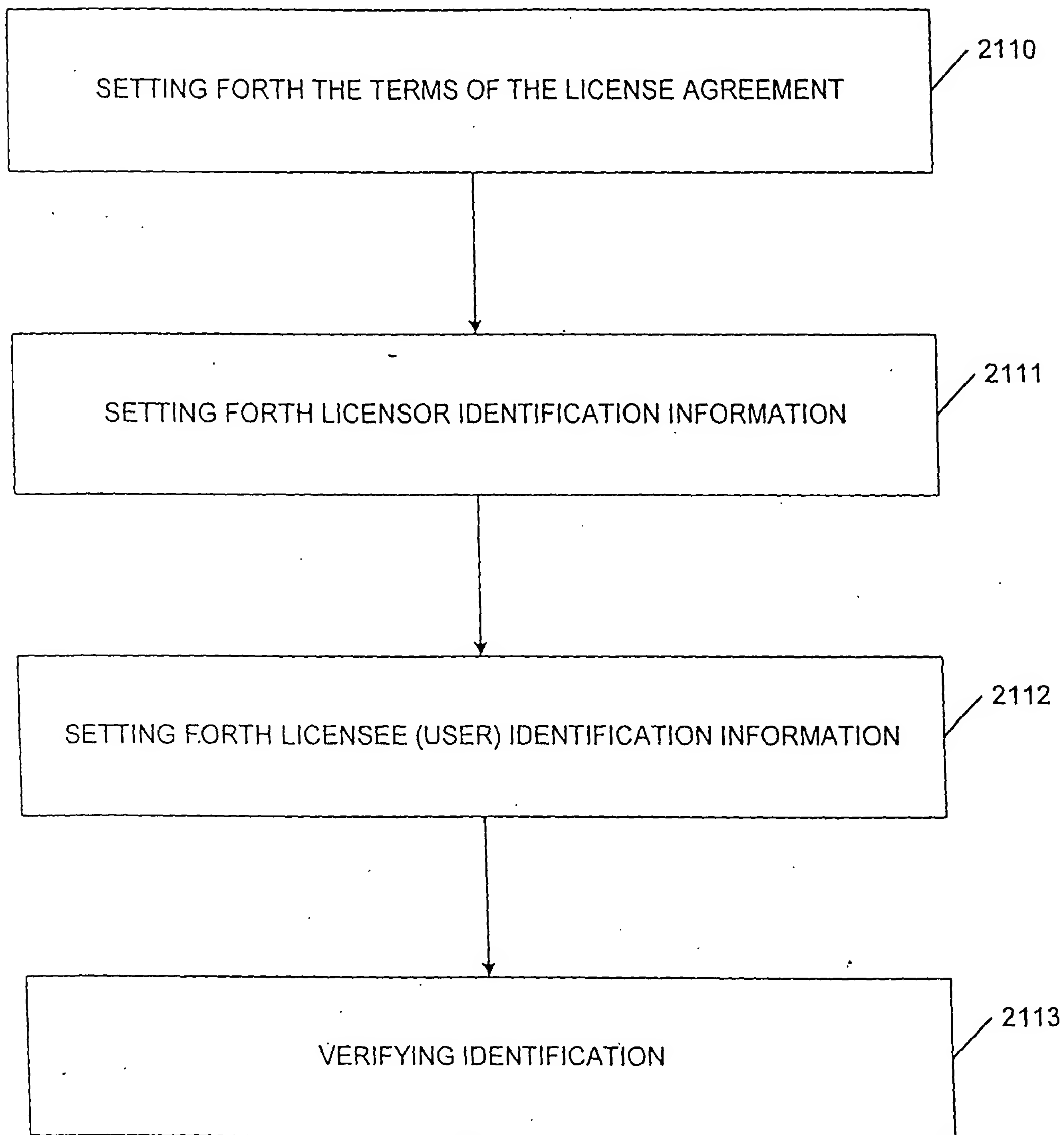


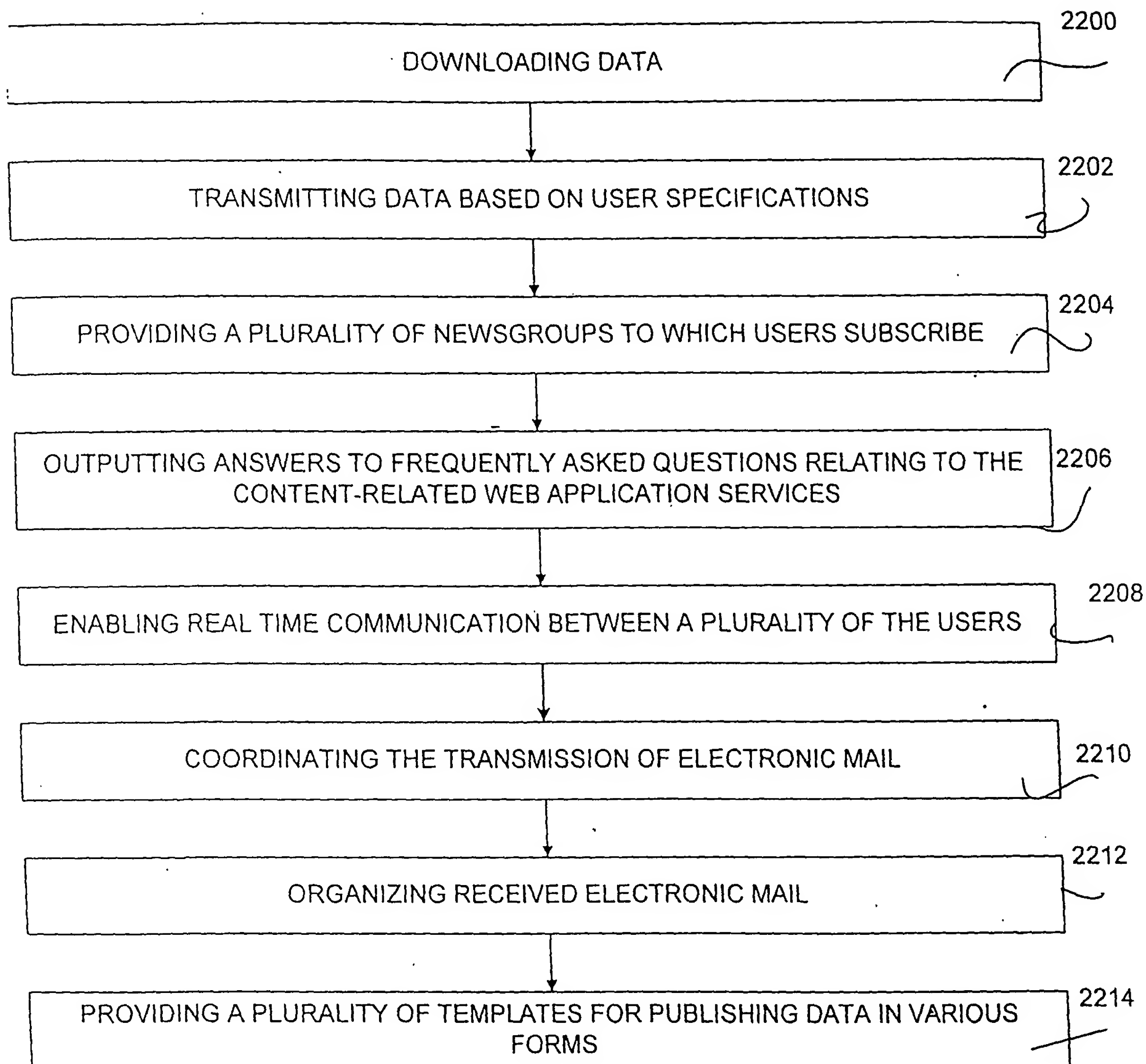
1903

Figure 19A ⁷⁴

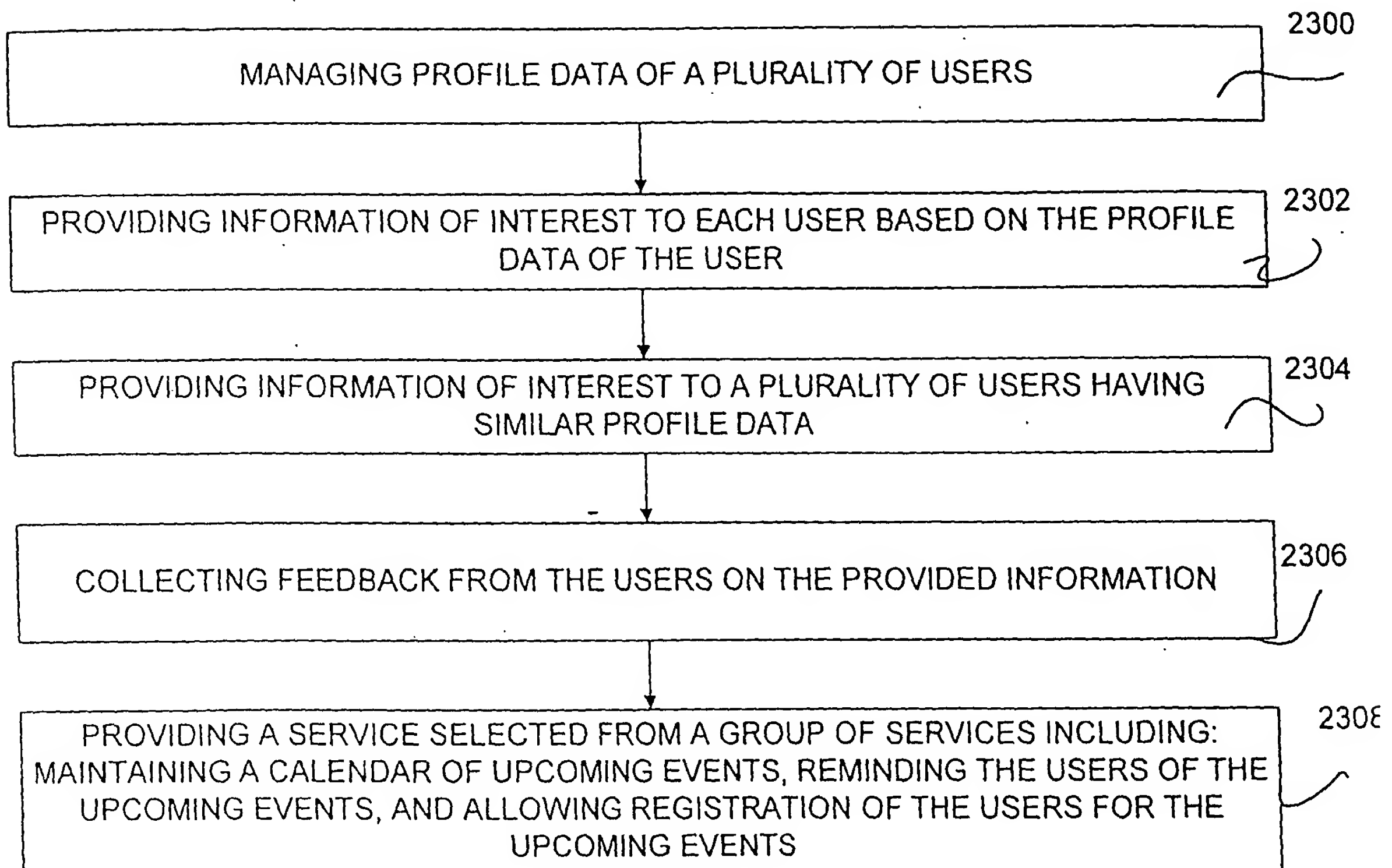


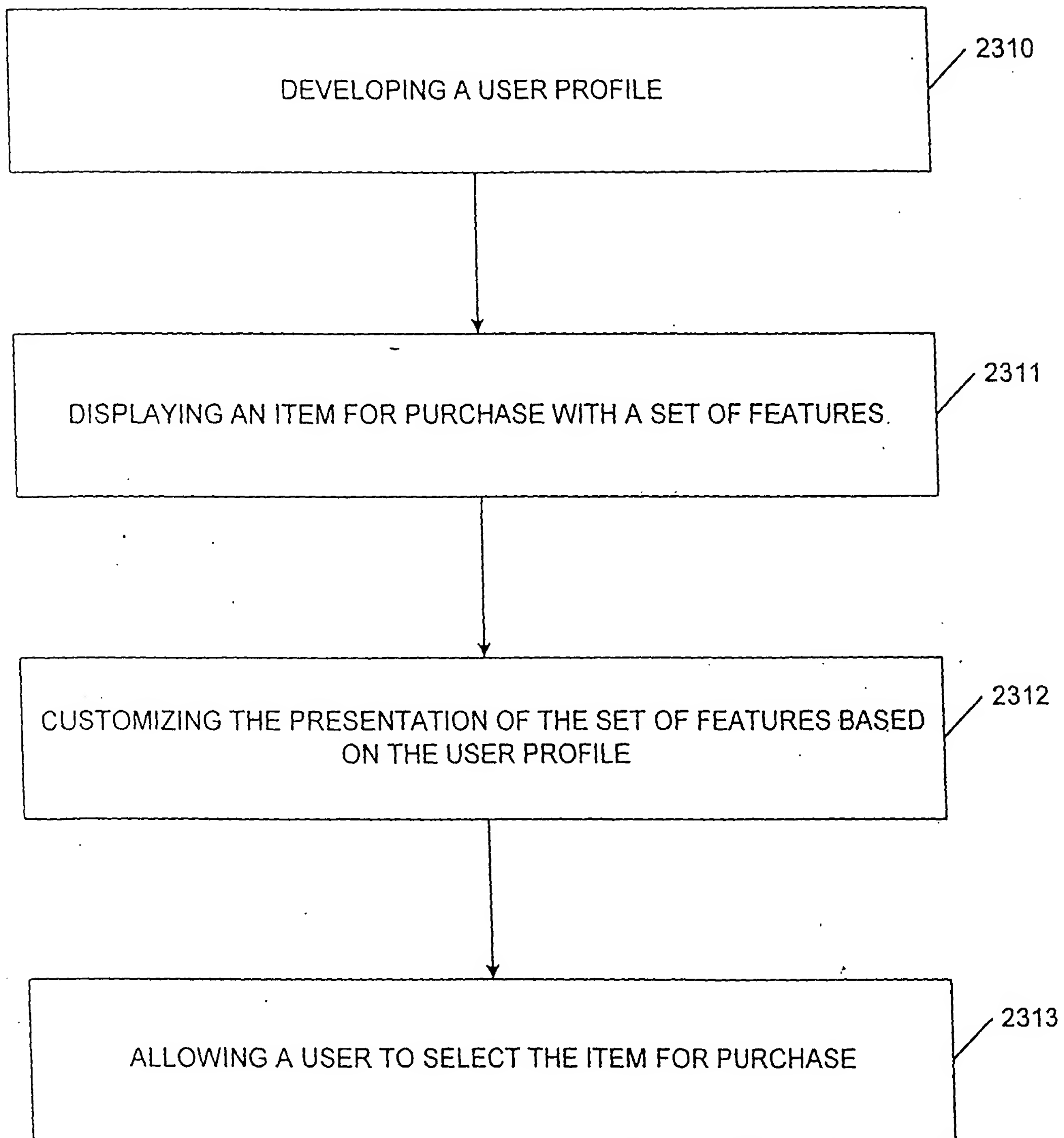






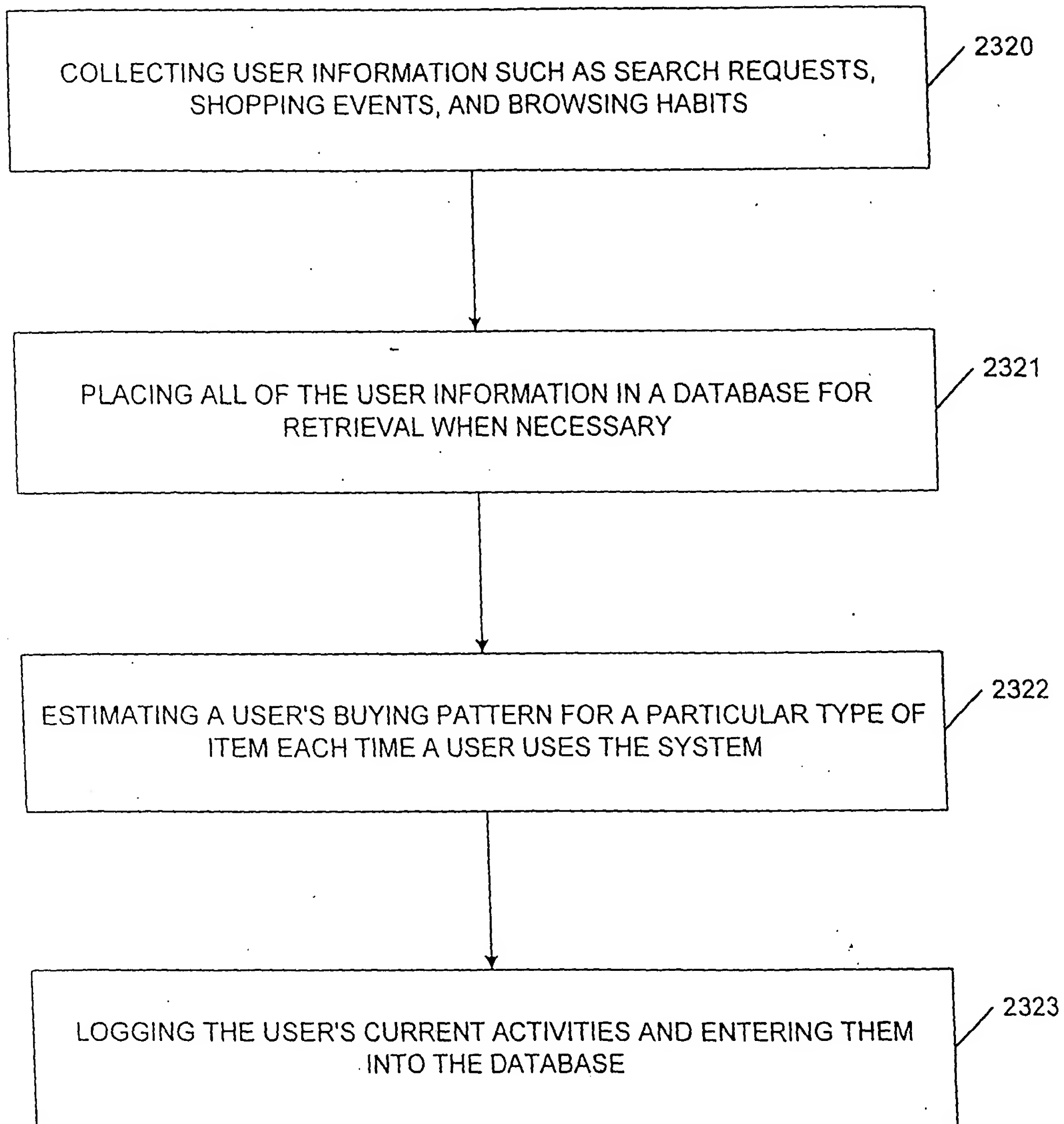
1402





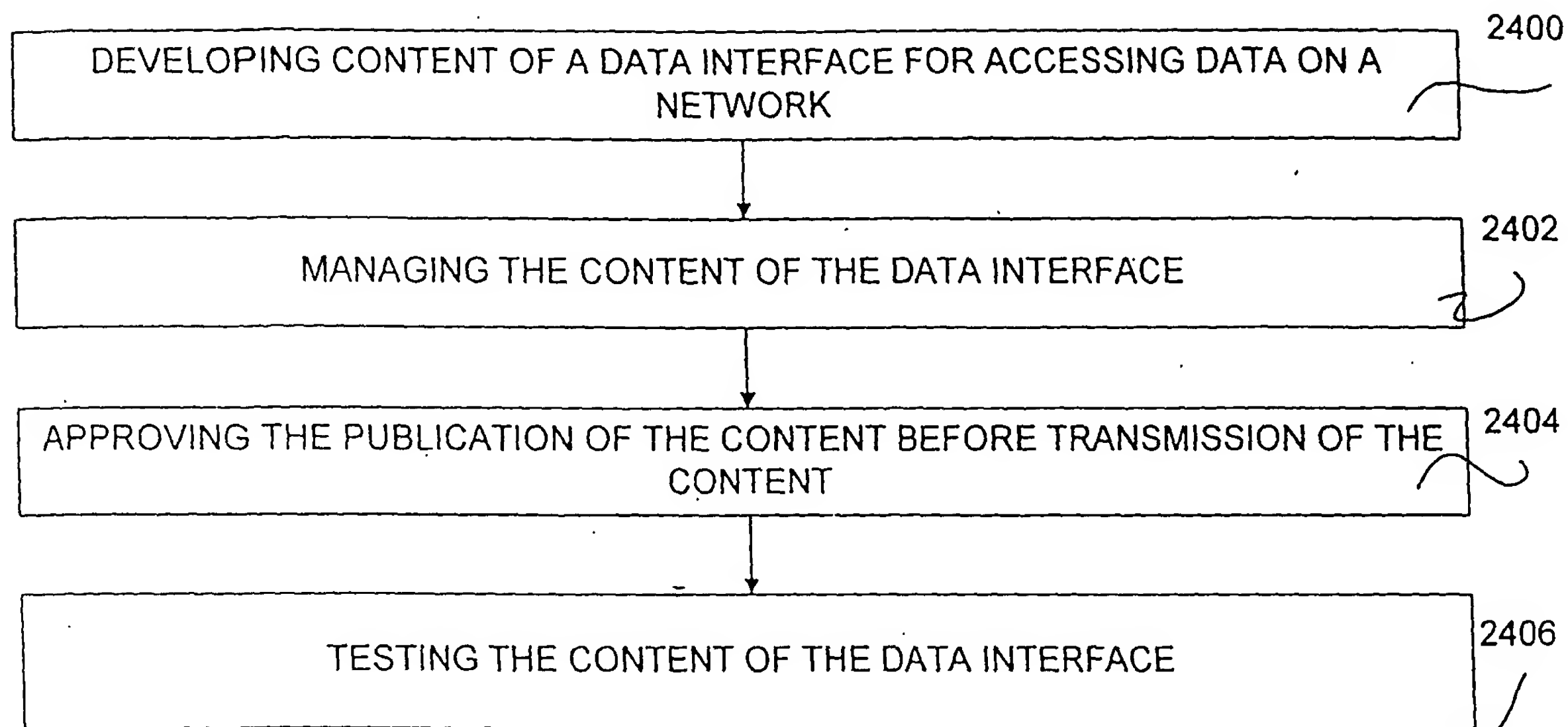
2300

Figure 23A

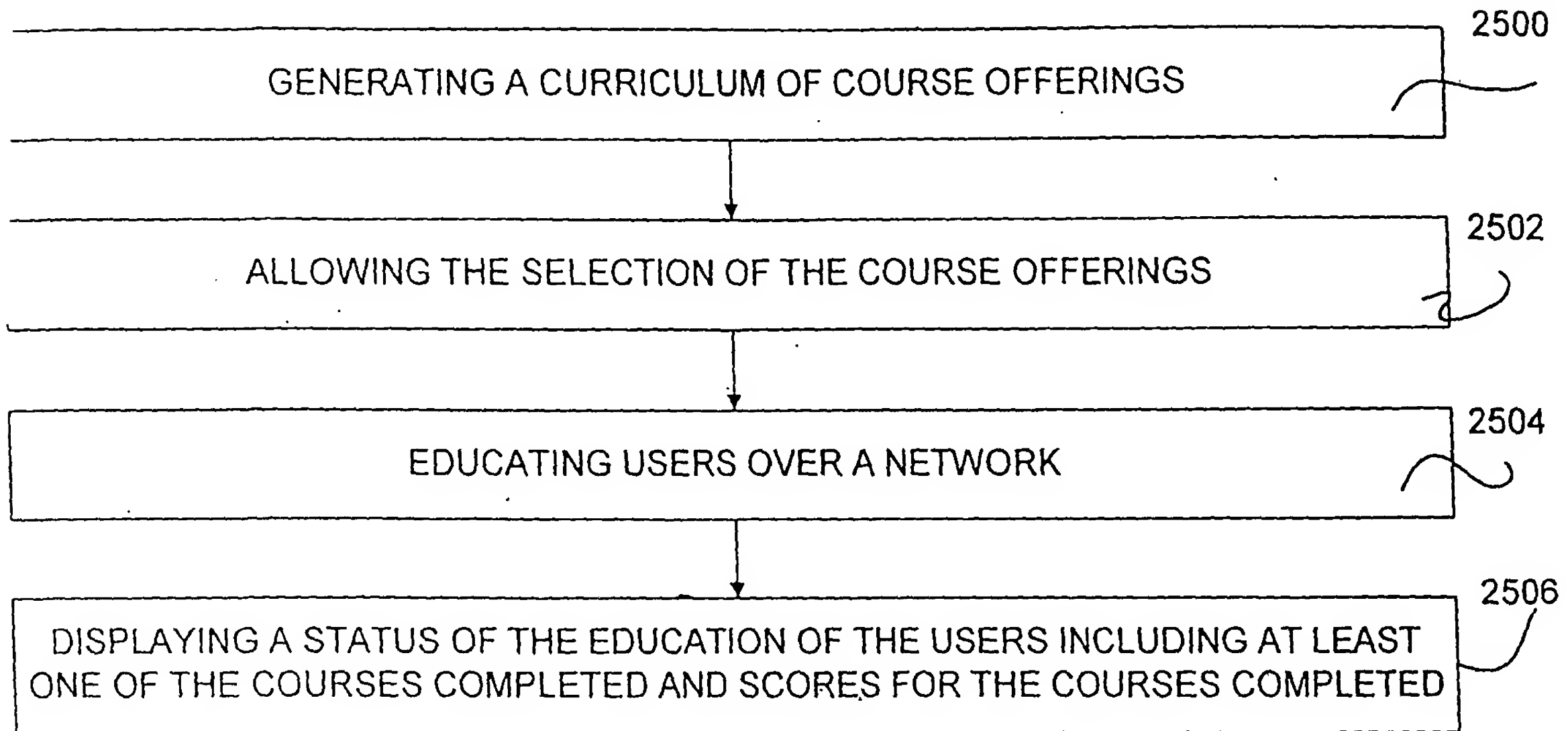


2310

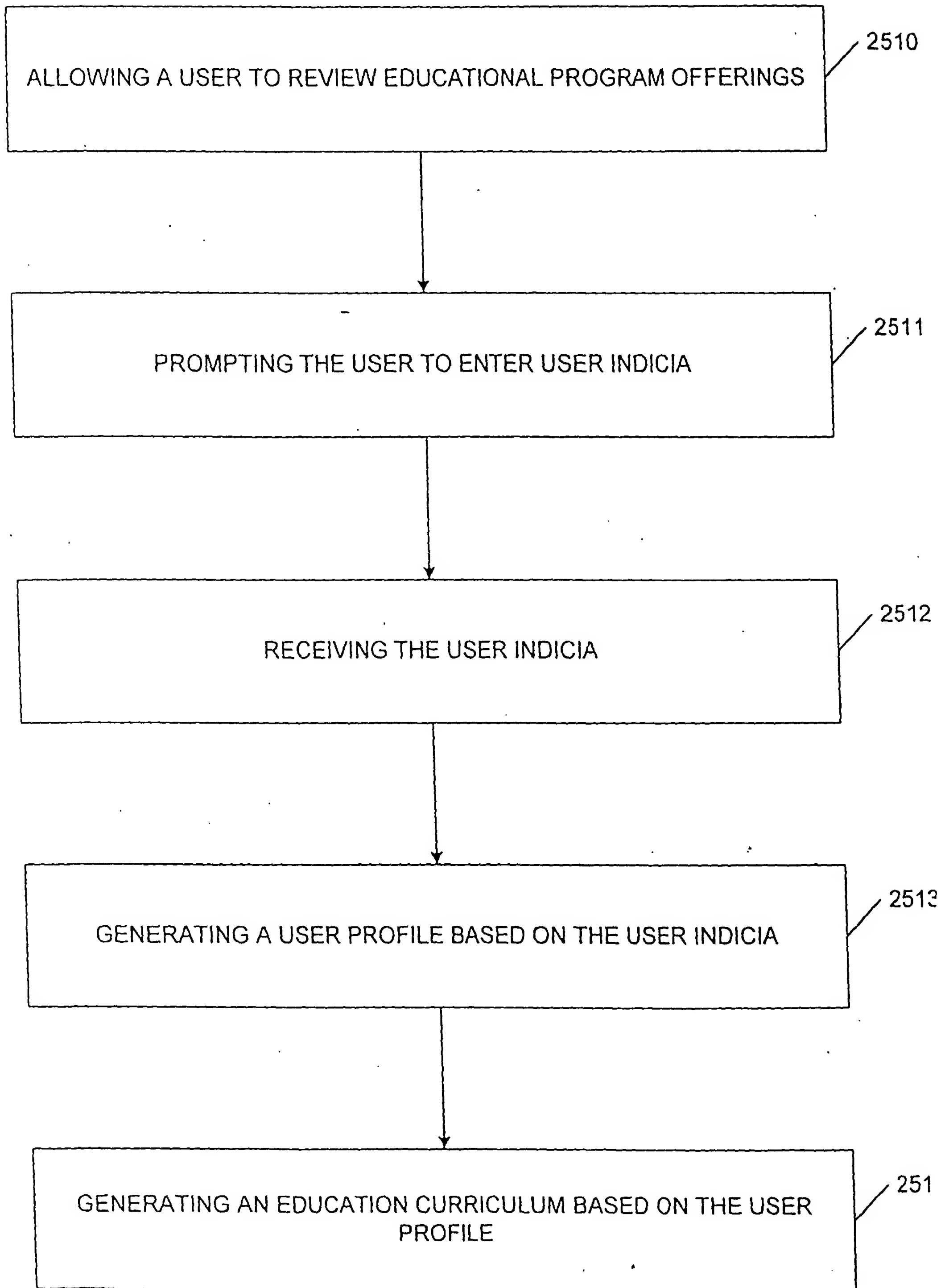
Figure 23B



1408



1410



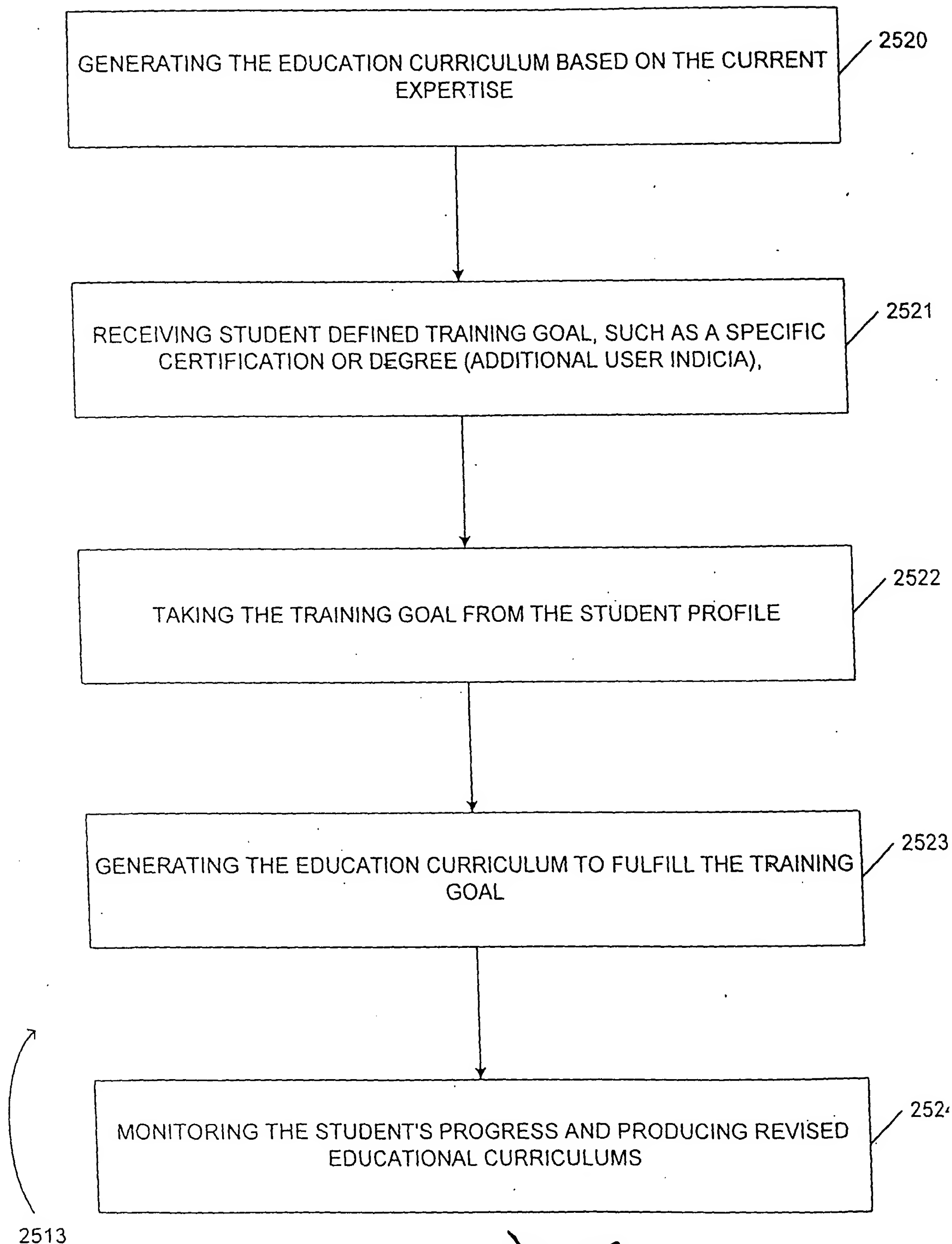
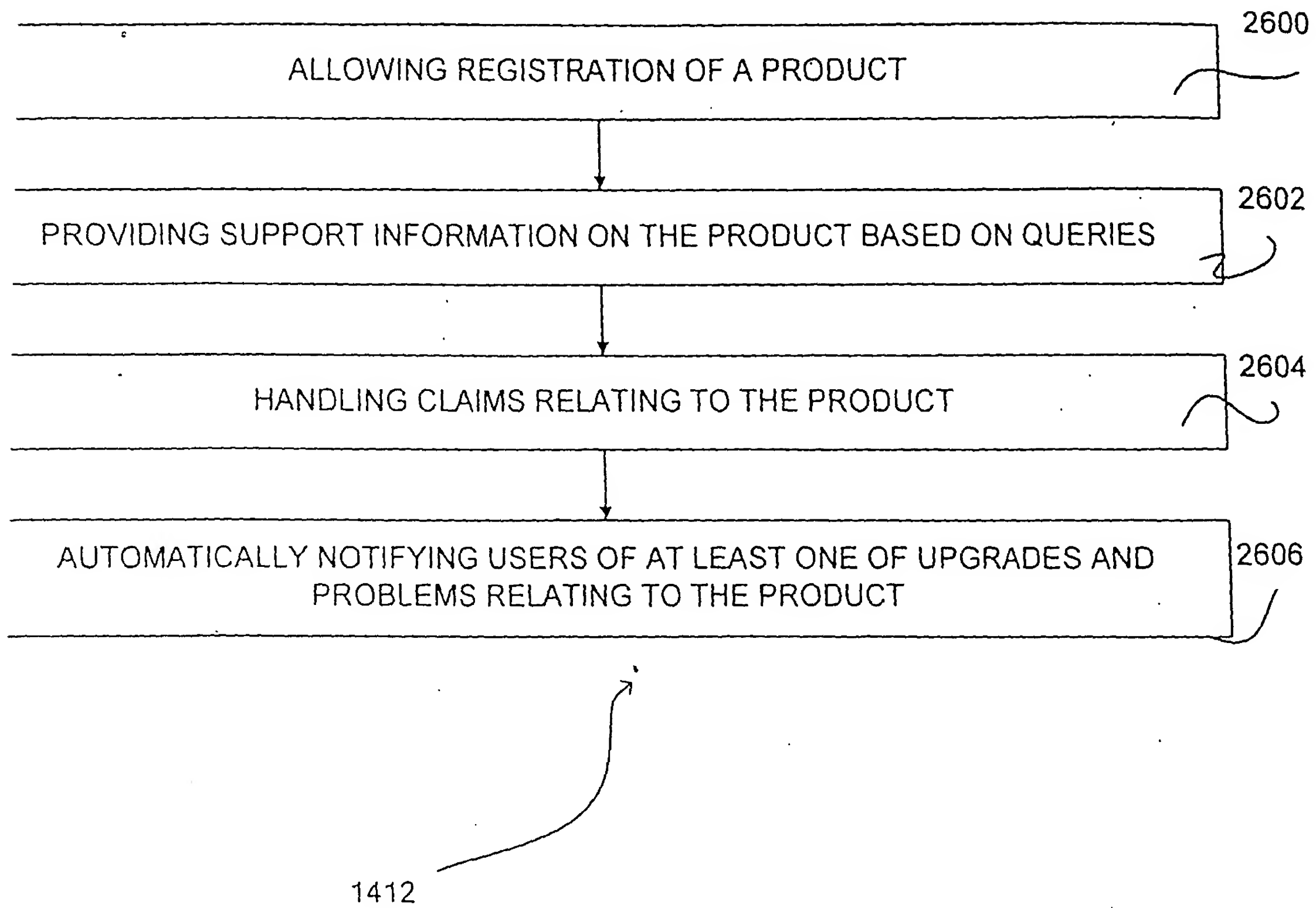
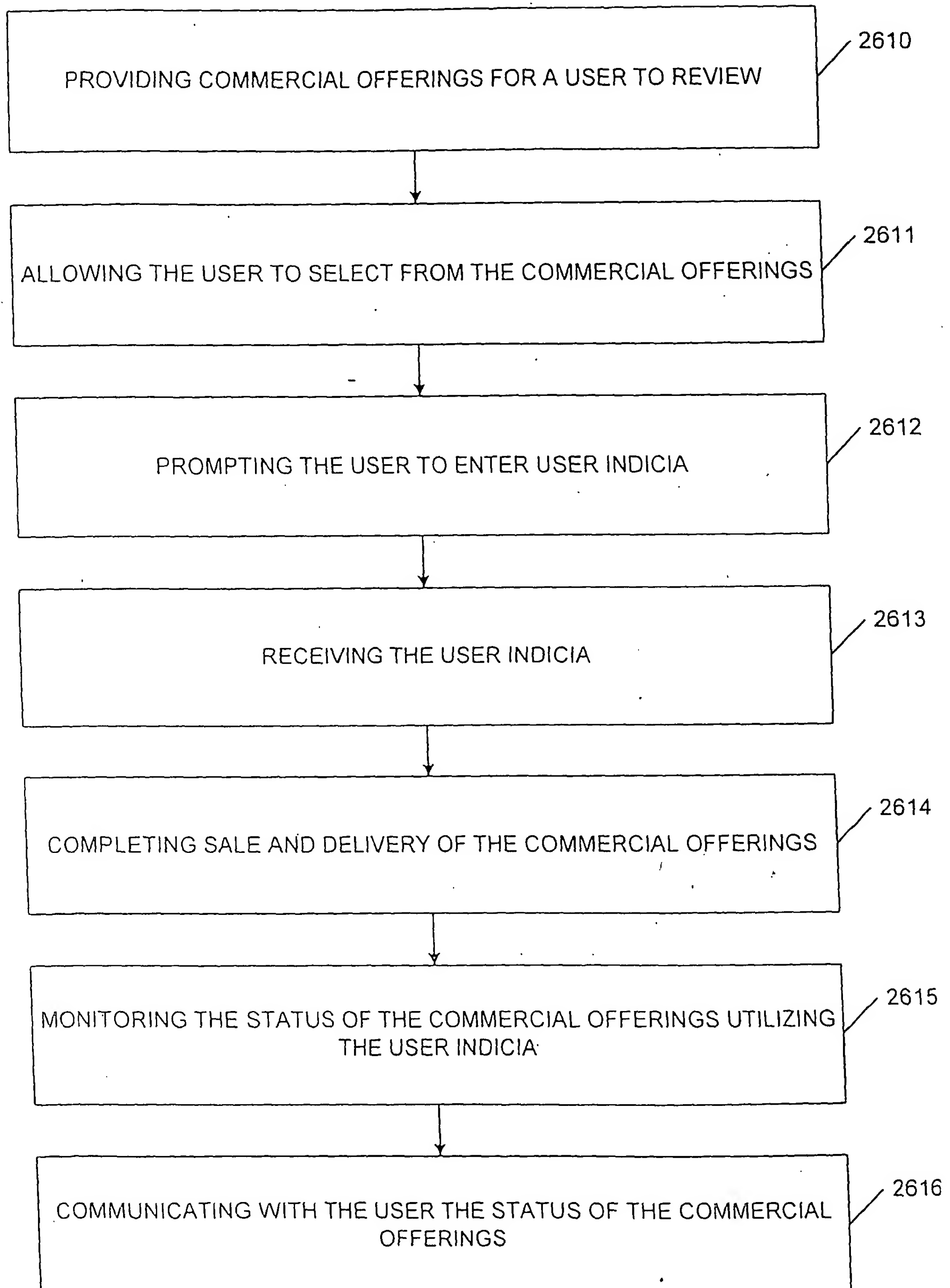


Figure 25B 85





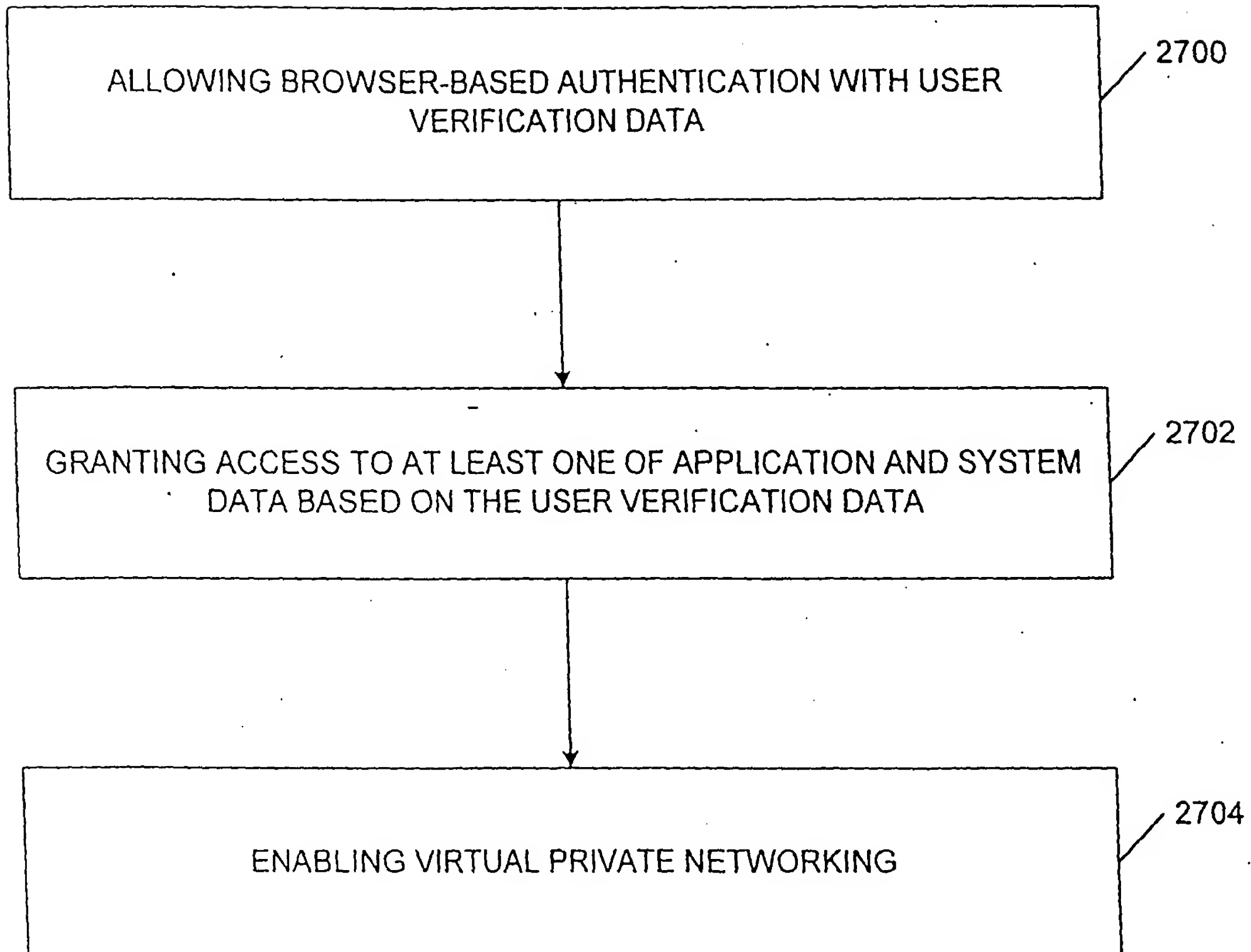


Figure 27

88

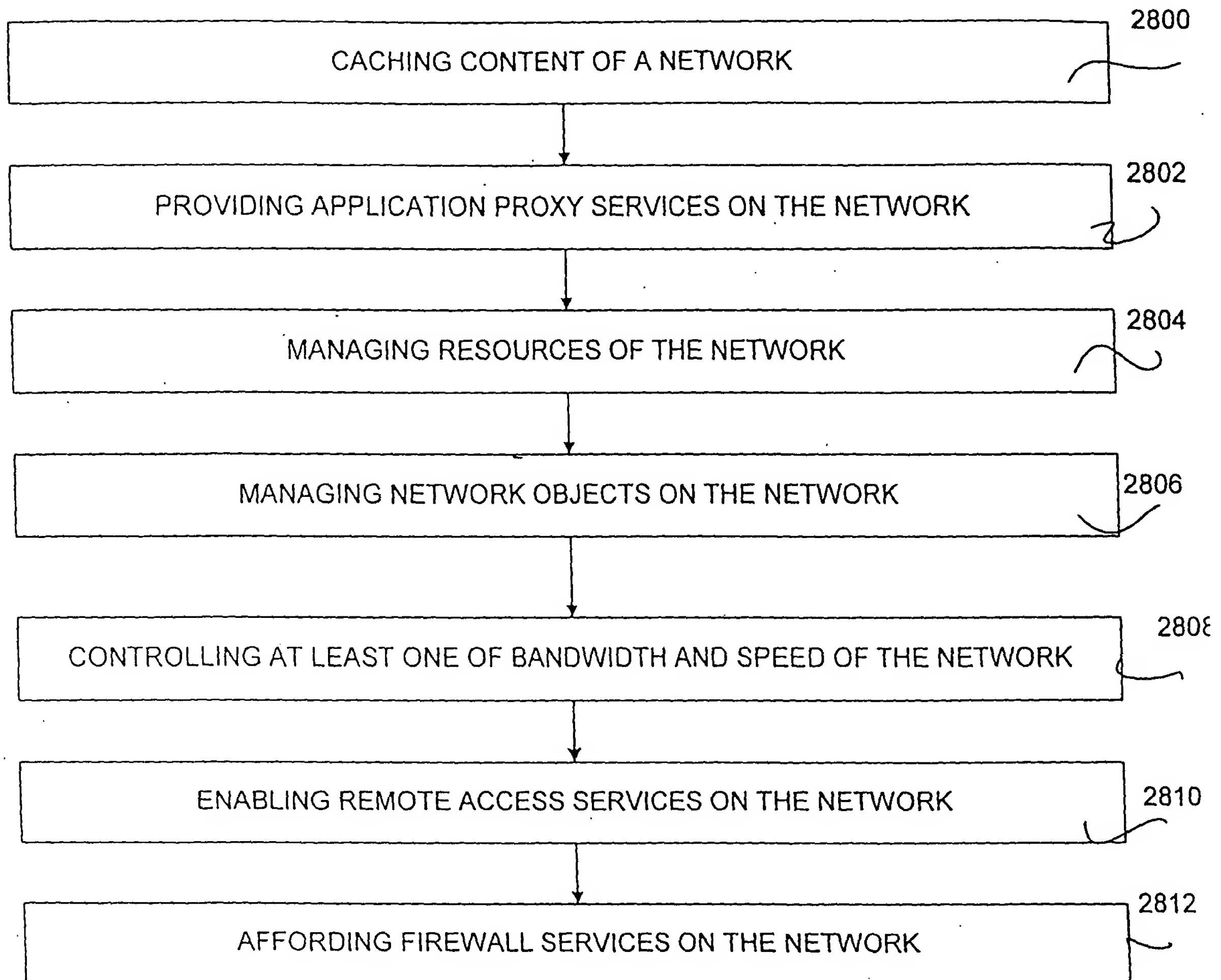


Figure 28

1416

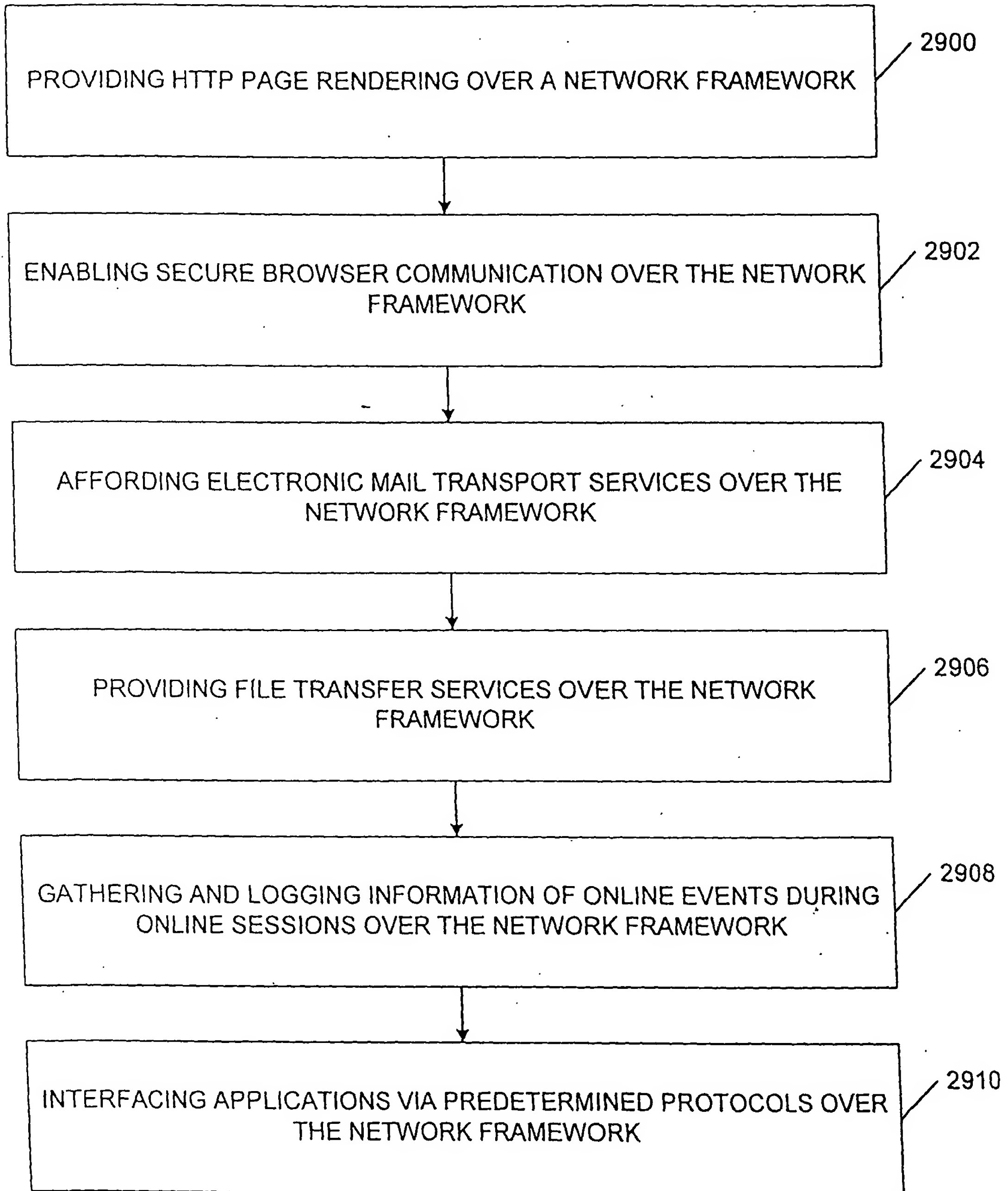
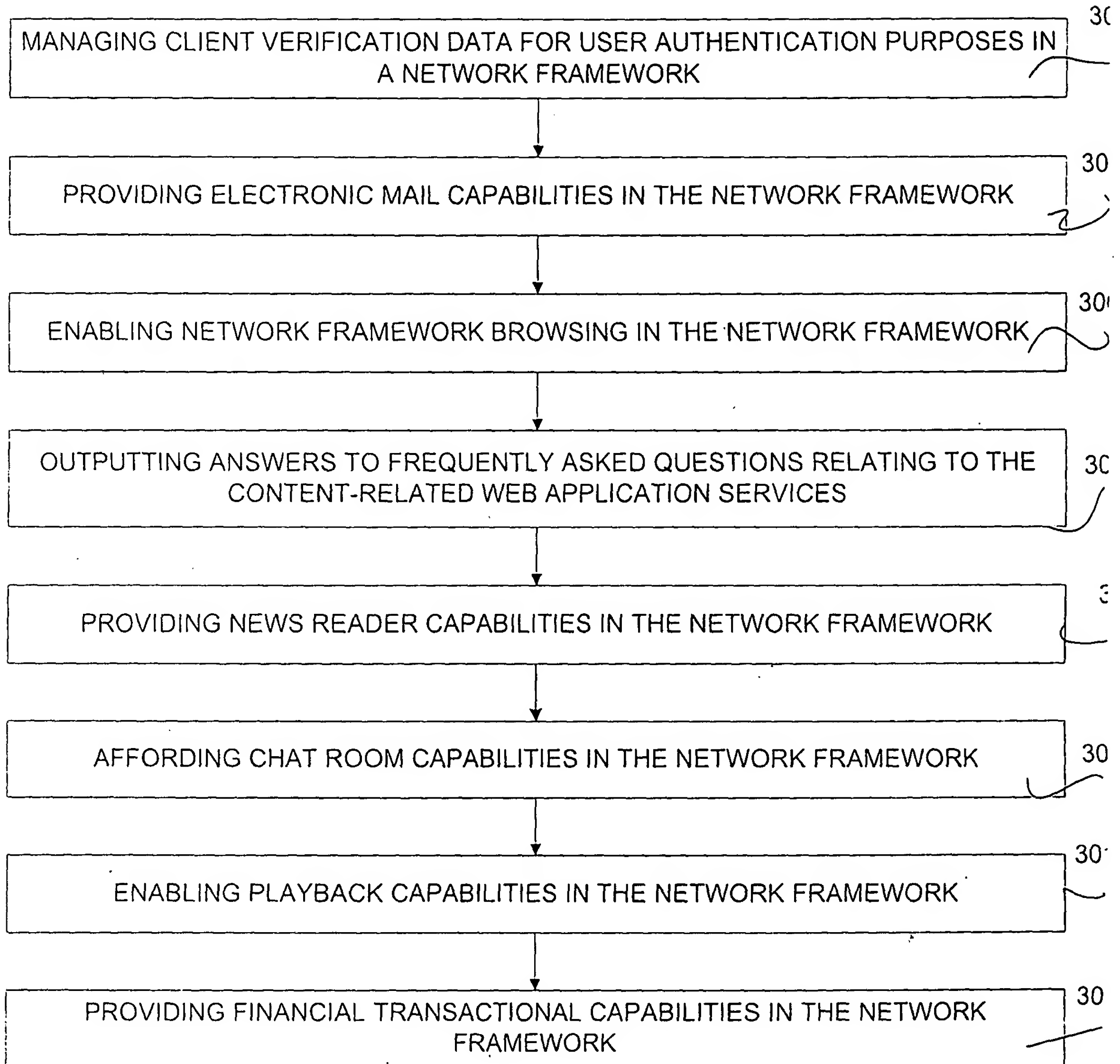
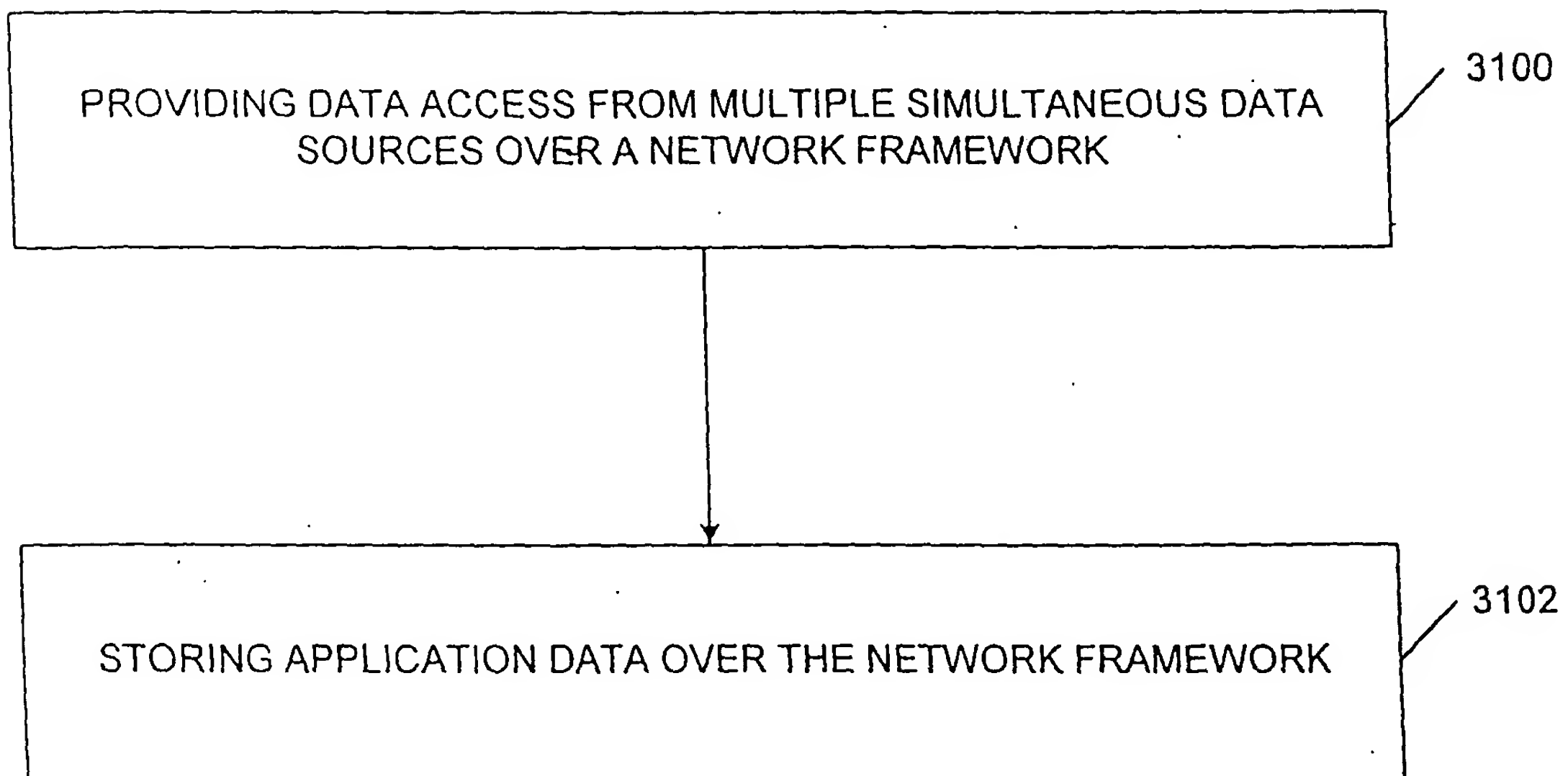


Figure 29⁹⁰

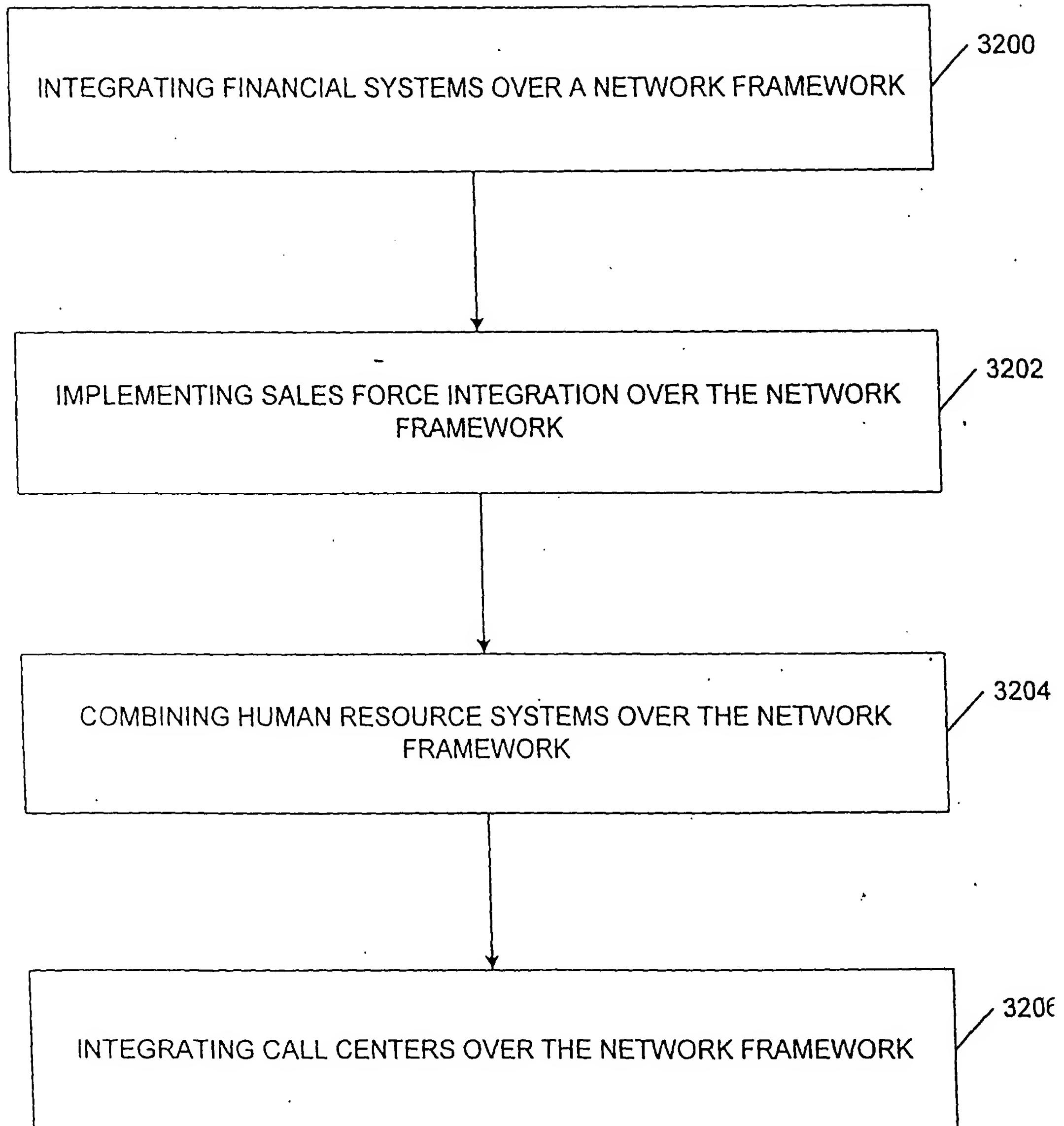


1420



1424

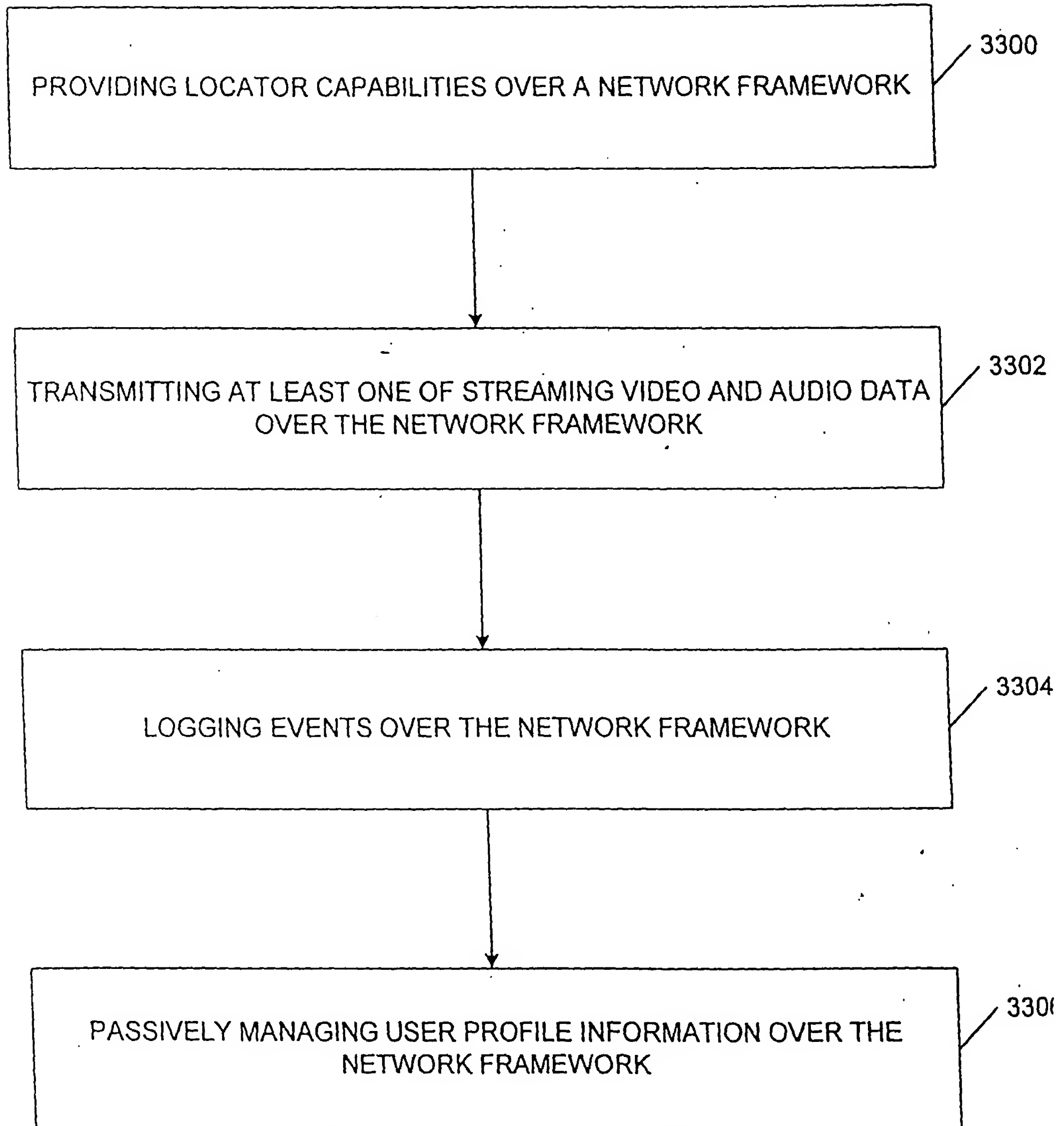
Figure 31⁹²



1422

Figure 32

93



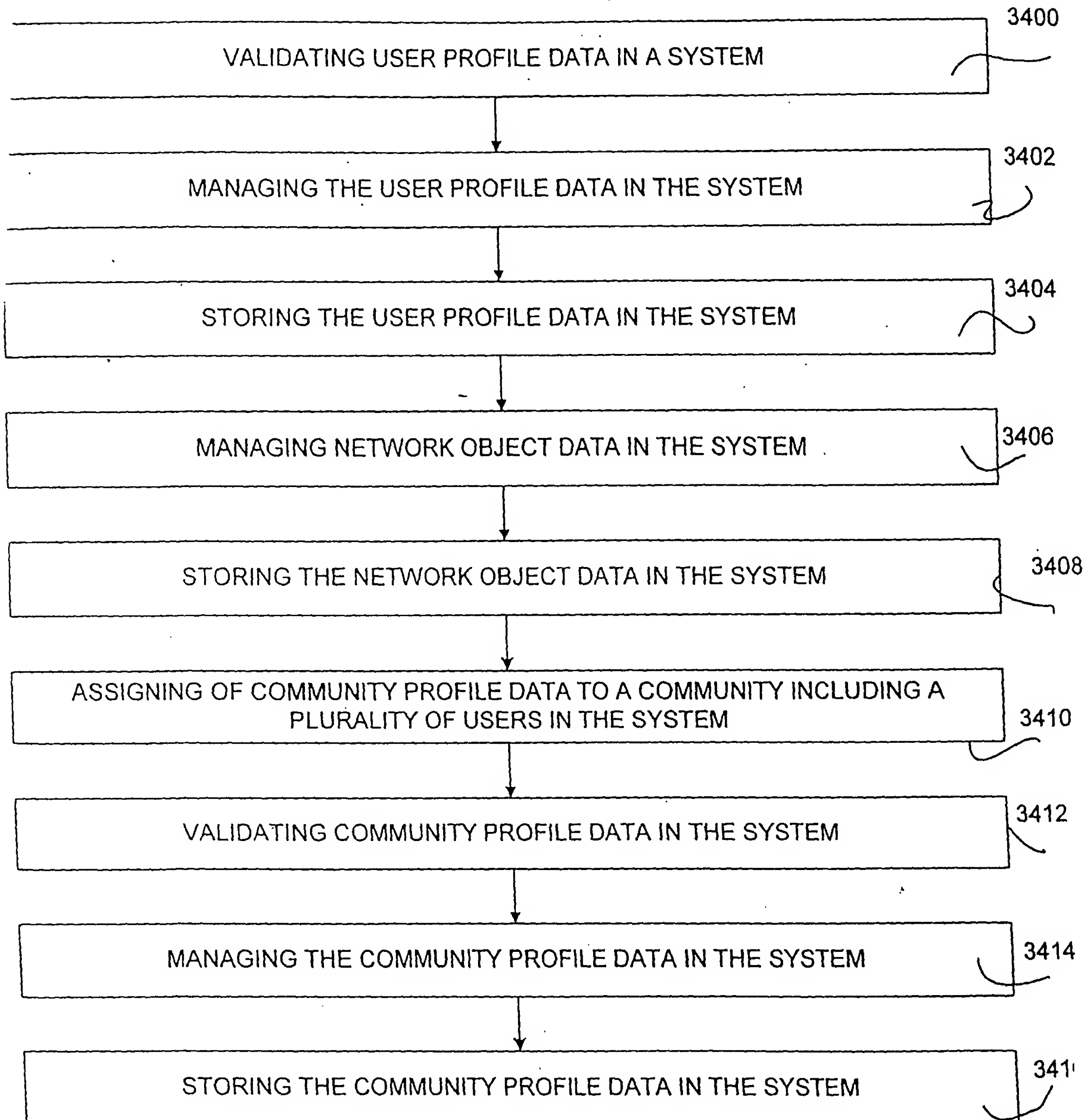
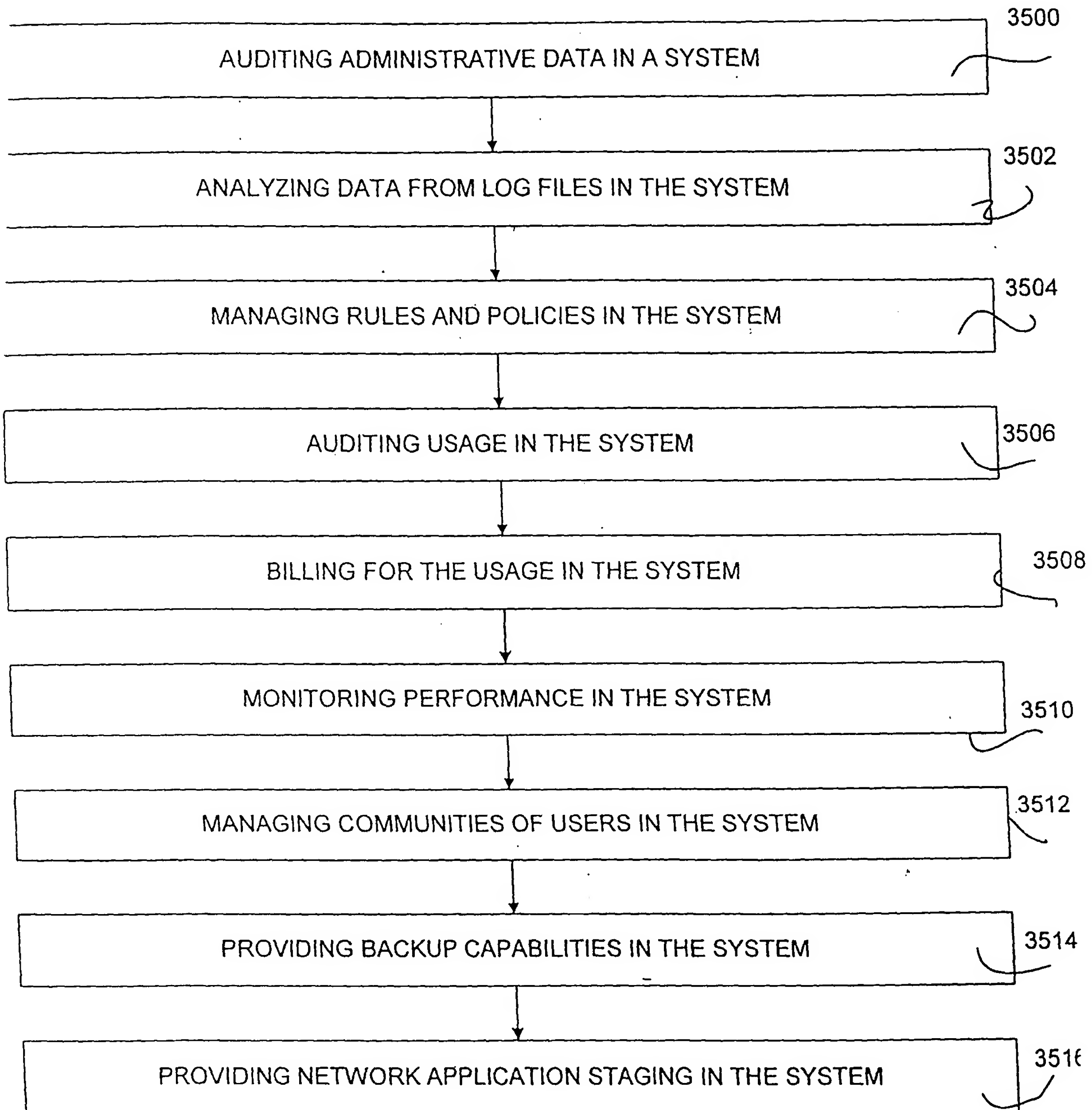


Figure 34⁹⁵



96
Figure 35

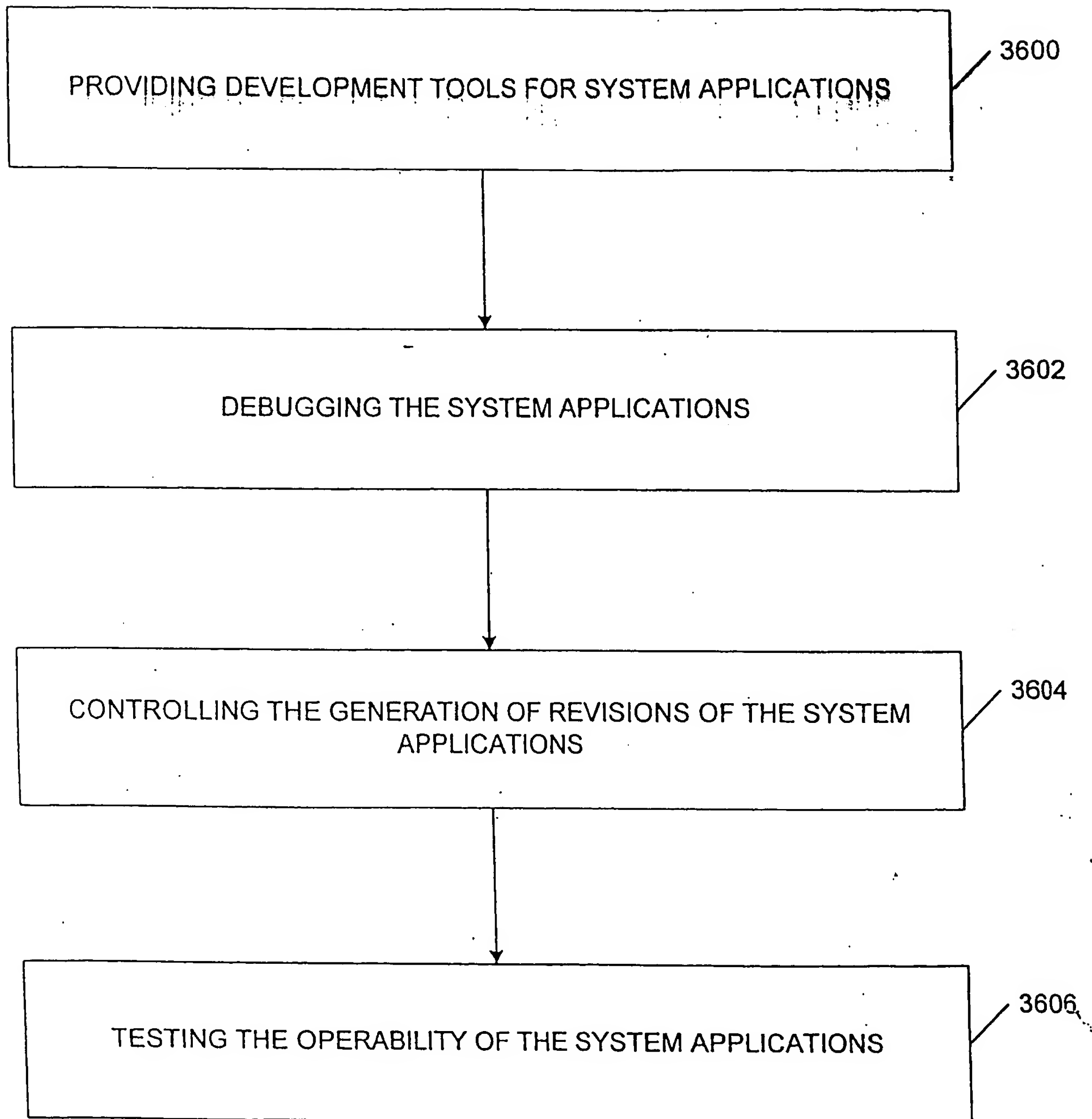


Figure 36 97